

NEURONAL MARKER ANTIBODIES

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Focus On WFS1

Catalog Number 11558-1-AP

Applications CoIP, ELISA, IF, IHC, IP, WB

20 Publications

KD/KO Validated

Wolfram syndrome protein (WFS1), also known as Wolframin, is a ubiquitously expressed protein with the highest levels of expression found in the brain, pancreas, heart, and insulinoma beta-cell lines. WFS1 is involved in the regulation of calcium homeostasis, which aids in the maintenance of the endoplasmic reticulum. Mutations in the WFS1 gene are associated with Wolfram syndrome, an autosomal recessive neurodegenerative disorder characterized by diabetes mellitus, optic atrophy, and various additional problems involving the urinary tract, brain, and hearing.

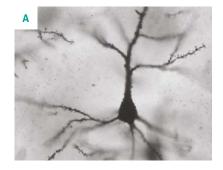
Island and Ocean Cells

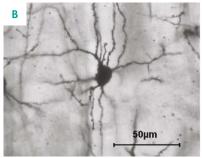
Neuroscientists based at MIT (Massachusetts Institute of Technology), led by Nobel Prizewinning scientist Susumu Tonegawa, have identified and characterized two types of cell in the entorhinal cortex that process the 'when' and 'where' signals in the brain - 'island' and 'ocean' cells.

Proteintech's WFS1 Antibody in Action

Island and ocean cells are distinguishable by their expression of certain neuronal markers. Ocean cells are identifiable as reelin-positive stellate cells, (Fig.B), whereas island cells are pyramidal neurons that stain positive for WFS1, (Fig.A). Though wolframin expression is ubiquitous throughout the body, Tonegawa's group found that it is only present in island cells in the entorhinal cortex. The group used Proteintech's anti-WFS1 antibody (11558-1-AP) to selectively stain island cells within their research, as shown in several papers.

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Golgi stained examples of A) a pyramidal cell and B) a stellate cell. (Churchill et al. BMC Neuroscience 2004 5:43 doi:10.1186/1471-2202-5-43 Figure 1).

Staining the two populations of cells with their specific markers allowed the Tonegawa group to map the trajectory of their connections to other parts of the brain. It became clear that island cells and ocean cells, though close in

proximity, had different targets: island cells plug into the CA1 region of the hippocampus, whereas ocean cells connect to the dentate gyrus and CA3 region of the hippocampus.

Focus On IBA1

Catalog Number 10904-1-AP

Applications ELISA, IF, IHC, IP, WB

41 Publications

KD/KO Validated

Ionized calcium binding adapter molecule 1 (IBA1), is an inflammatory response protein expressed by monocytes and macrophages and is primarily considered a marker of macrophage activation.

IBA1 is commonly used as a marker for microglial cells. Microglial cells are resident macrophages found in the CNS and play an important role in modulating inflammatory responses within the brain. Microglia are known to scavenge both the brain and spinal cord for pathogens and cells undergoing apoptosis and aid in their removal through phagocytosis.

Activation of microglia are one of the characteristic cellular changes that occurs during neurodegenerative processes such as Parkinson's disease and Alzheimer's disease. A recent study by Cui et al. has examined the etiological association between noise exposure and Alzheimer's disease. It has long been known that Alzheimer's disease results in neuroinflammation, therefore, Cui et al. examined the level of neuroinflammation present in the brains of mice exposed to chronic noise. Using Proteintech's antibody IBA1 as a marker for microglia, the authors were able to detect neuroglial activation during neuroinflammation through Western blot analysis.

Furthermore. Cui et al. were able to demonstrate that when the mice were

exposed to noise, the expression of IBA1 significantly increased for up to 14 days suggesting that chronic noise exposure may induce profound microglia activation, which may play a role in

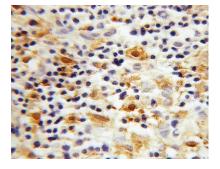
neuroinflammation and neurodegeneration.

As well as playing an important role in neurodegenerative disorders, IBA1 is also thought to be involved in neuropathic pain, a condition characterised by damage to the somatosensory nervous system.

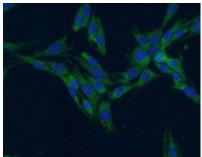
A recent study by Popiolek-Barczyk et al. examined the use of the compound parthenolide on the ability to activate M2 miroglia/macrophages following sciatic nerve injury. The authors demonstrated that parthenolide increased the levels of IBA1 using our antibody alongside a reduction in pain.

IBA1 clearly plays an important role in a variety of neurological conditions including neurodegenerative processes and pain. The Proteintech IBA1 antibody has been extensively validated in-house, including specificity testing using siRNA. Furthermore, it has been used in 25 peerreviewed publications.

You can place your order online, by email or fax.



Immunohistochemical of paraffin-embedded human lymphoma using IBA1 antibody (10904-1-AP) at a dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of fixed C6 cells (-20°C Ethanol) using IBA1 antibody (10904-1-AP) at a dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).

References

Cui B, Li K, Gai Z, et al. Chronic Noise Exposure Acts Cumulatively to Exacerbate Alzheimer's Disease-Like Amyloid-ß Pathology and Neuroinflammation in the Rat Hippocampus. Scientific Reports. 2015;5:12943. doi:10.1038/srep12943.

Popiolek-Barczyk K, Kolosowska N, Piotrowska A, et al. Parthenolide Relieves Pain and Promotes M2 Microglia/Macrophage Polarization in Rat Model of Neuropathy. Neural Plasticity. 2015;2015:676473. doi:10.1155/2015/676473.



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ANTIBODY PRODUCT LIST

Antibody Name	Cat. No.	Туре	Applications
ABAT 1	11349-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
ABCA2	20681-1-AP	Rabbit Poly	ELISA, IF, WB
ADH1B	17165-1-AP	Rabbit Poly	ELISA, WB
ALDH1L1	17390-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
Aquaporin 4 3	16473-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
BCL11B	55414-1-AP	Rabbit Poly	ELISA, IF, IP, WB
BCRP/ABCG2	10051-1-AP	Rabbit Poly	ELISA, IHC, WB
beta Tubulin 💿 2	10094-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
beta Tubulin 1	10068-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
beta Tubulin 2	66240-1-lg	Mouse Mono	ELISA, IF, IHC, IP, WB
BRN2	14596-1-AP	Rabbit Poly	ELISA, IHC, WB
BRN2-Specific	18998-1-AP	Rabbit Poly	ELISA, IHC, WB
Calretinin	12278-1-AP	Rabbit Poly	ELISA, IHC, WB
CAMSAP1L1 si 9	17880-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
CD11B/ Integrin alpha M	20991-1-AP	Rabbit Poly	ELISA, FC, IHC, WB
CD11B/ Integrin alpha M	21851-1-AP	Rabbit Poly	ELISA, IHC
CD133	18495-1-AP	Rabbit Poly	ELISA, IHC, WB
CD133 si 1	18470-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, WB
CD133-1, 2	19946-1-AP	Rabbit Poly	ELISA, IP, WB
CD133-1, 2, 4, 7	19945-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
CD24 2	18330-1-AP	Rabbit Poly	ELISA, WB
CD24	10600-1-AP	Rabbit Poly	ELISA, IHC, WB
CHAT 3	20747-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
CHAT	24418-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
CHT1	21848-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
Claudin 11	12152-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, WB

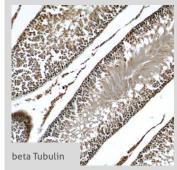
Antibody Name	Cat. No.	Туре	Applications
CNPase 1	13427-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
CUX1 si 2	11733-1-AP	Rabbit Poly	ELISA, IF, IP, WB
CUX2	24902-1-AP	Rabbit Poly	ELISA, WB
DACH1 si 20	10914-1-AP	Rabbit Poly	ChIP, ELISA, IF, IHC, IP, WB
DAT 3	22524-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
DCX	13925-1-AP	Rabbit Poly	ELISA, WB
DOPA decarboxylase	10166-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
DRD1 si 2	17934-1-AP	Rabbit Poly	ELISA, WB
DRD2 si 1	55084-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
DRD5 si 3	20310-1-AP	Rabbit Poly	ELISA, FC, WB
DYNC1H1 si 9	12345-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
EAAT2	22515-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
EAAT3	12686-1-AP	Rabbit Poly	ELISA, IHC, WB
EAAT4	12876-1-AP	Rabbit Poly	ELISA, WB
FABP7	17456-1-AP	Rabbit Poly	ELISA, WB
FABP7	51010-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
FABP7-Specific	14836-1-AP	Rabbit Poly	ELISA, IHC, WB
Ferritin si 7	10727-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
FEV	25058-1-AP	Rabbit Poly	ELISA, WB
FOXA1	20411-1-AP	Rabbit Poly	ELISA, IHC, WB
FOXA2	22474-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
FOXP2	20529-1-AP	Rabbit Poly	ELISA, IP, WB
GAC-specific	19958-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
GAD2	21760-1-AP	Rabbit Poly	ELISA, IP, WB
GAD2	20746-1-AP	Rabbit Poly	ELISA, IF, IP, WB
Galectin-3 si 2	14979-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB

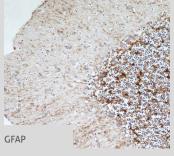
This number shows the amount of times our antibody has been cited in a publication. si This icon shows the antibody has been tested in siRNA treated samples.

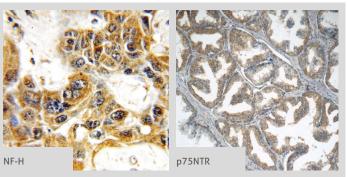
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More validation images available on our website.

Galectin-3 PAX3 ←







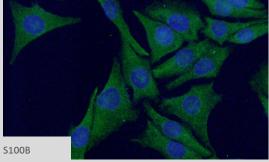
Galectin-3 3 3 6 0207-1-Ig Mouse Mono ELISA, IF, IHC, WB GATA2 2 11103-1-AP Rabbit Poly ELISA, IF, IHC, WB GATA3 3 8 10417-1-AP Rabbit Poly ELISA, IF, IHC, WB GATA3 22343-1-AP Rabbit Poly ELISA, IF, IHC, WB GFAP 23935-1-AP Rabbit Poly ELISA, IF, IHC, WB GFAP 6 60190-1-Ig Mouse Mono ELISA, IF, IHC, WB GIRX2 21647-1-AP Rabbit Poly ELISA, IF, IHC, WB GIRX2 21647-1-AP Rabbit Poly ELISA, IF, IHC, WB GLAST 20785-1-AP Rabbit Poly ELISA, IF, IHC, WB GUT1 6 11037-2-AP Rabbit Poly ELISA, IF, IP, WB GOT1 6 14886-1-AP Rabbit Poly ELISA, IF, WB GOT1 6 1037-2-AP Rabbit Poly ELISA, IF, WB GOT1 6 14886-1-AP Rabbit Poly ELISA, IF, WB GOT1 6 10443-1-AP Rabbit Poly <th< th=""><th>Antibody Name</th><th>Cat. No.</th><th>Туре</th><th>Applications</th></th<>	Antibody Name	Cat. No.	Туре	Applications
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HESS22666-1-APRabbit PolyELISA, IHC, WBHMGB1si2410829-1-APRabbit PolyELISA, IHC, WBHTR3A110443-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBHuC/D13032-1-APRabbit PolyELISA, IHC, IP, WBHuD24992-1-APRabbit PolyELISA, IF, IP, WBIBA1si4110904-1-APRabbit PolyELISA, IF, IHC, IP, WBIntegrin beta-421738-1-APRabbit PolyELISA, IF, IHC, IP, WBIslet 115661-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GACsi2312855-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GACsi2321632-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA-Specific320170-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5Bsi121632-1-APRabbit PolyELISA, IF, IHC, IP, WBKMAG18278-1-APRabbit PolyELISA, IF, IHC, IP, WBMAG14386-1-APRabbit PolyELISA, IF, IHC, IP, WBMAP1B321633-1-APRabbit PolyELISA, IF, WBMAP21717490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMAG12690-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, IP, WB	GOT1	3 14886-1-AP	Rabbit Poly	ELISA, IF, IP, WB
HMGB1Si2410829-1-APRabbit PolyChiP, ELISA, FC, IF, IHC, IP, WBHTR3A110443-1-APRabbit PolyELISA, FC, IHC, WBHuC/D13032-1-APRabbit PolyELISA, IFC, IP, WBHuD24992-1-APRabbit PolyELISA, IF, IP, WBIBA1Si4110904-1-APRabbit PolyELISA, IF, IP, WBIntegrin beta-421738-1-APRabbit PolyELISA, FC, IHC, IP, WBIslet 115661-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GACSi2312855-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GAM/GAC123549-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA-Specific320170-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5BSi121632-1-APRabbit PolyELISA, IF, IHC, IP, WBKMAS138278-1-APRabbit PolyELISA, IF, IHC, IP, WBRABMAG14386-1-APRabbit PolyELISA, IF, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMAP1B321633-1-AP <t< td=""><td>GOT1</td><td>60317-1-lg</td><td>Mouse Mono</td><td>ELISA, IHC, WB</td></t<>	GOT1	60317-1-lg	Mouse Mono	ELISA, IHC, WB
HMGB11210829-1-APRabbit PolyIP, WBHTR3A110443-1-APRabbit PolyELISA, FC, IHC, WBHuC/D13032-1-APRabbit PolyELISA, IF, IP, WBHuD24992-1-APRabbit PolyELISA, IF, IP, WBIBA1si4110904-1-APRabbit PolyELISA, IF, IHC, IP, WBIntegrin beta-421738-1-APRabbit PolyELISA, FC, IHC, IP, WBIslet 115661-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GACsi2312855-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GACsi2312855-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA-Specific320170-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5Bsi121632-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX1B18278-1-APRabbit PolyELISA, IF, WBMAG14386-1-APRabbit PolyELISA, IF, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMAP21717490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WB	HES5	22666-1-AP	Rabbit Poly	ELISA, IHC, WB
HuC/D13032-1-APRabbit PolyELISA, IHC, IP, WBHuD24992-1-APRabbit PolyELISA, IF, IP, WBIBA1 si41 10904-1-APRabbit PolyELISA, IF, IHC, IP, WBIntegrin beta-421738-1-APRabbit PolyELISA, FC, IHC, IP, WBIslet 115661-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GAC si23 12855-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GAC si23 12855-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GAC si20 20170-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5B si1 21632-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, IF, IHC, IP, WBLMX1B18278-1-APRabbit PolyELISA, IF, WBMAG14386-1-APRabbit PolyELISA, IF, WBMAP1B 3 21633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP1B 3 117490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMAC 1 17490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WB	HMGB1 si 2	4 10829-1-AP	Rabbit Poly	
HuD24992-1-APRabbit PolyELISA, IF, IP, WBIBA1SiG110904-1-APRabbit PolyELISA, IF, IHC, IP, WBIntegrin beta-421738-1-APRabbit PolyELISA, FC, IHC, IP, WBIslet 115661-1-APRabbit PolyELISA, IF, IHC, IP, WBIslet 115661-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GACSiC312855-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GAM/GAC123549-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA-Specific320170-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5BSi121632-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, IF, IHC, IP, WBLMX1B18278-1-APRabbit PolyELISA, IF, WBMAG14386-1-APRabbit PolyELISA, IF, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP21717490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WB	HTR3A	10443-1-AP	Rabbit Poly	ELISA, FC, IHC, WB
IBA1Si4110904-1-APRabbit PolyELISA, IF, IHC, IP, WBIntegrin beta-421738-1-APRabbit PolyELISA, FC, IHC, IP, WBIslet 115661-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GACSi2312855-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GAM/GAC123549-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA-Specific320170-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5BSi121632-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, WBLMX1B18278-1-APRabbit PolyELISA, IF, WBMAG14386-1-APRabbit PolyELISA, IF, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP1B317490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMAC12690-1-APRabbit PolyELISA, Inhibition	HuC/D	13032-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
Integrin beta-421738-1-APRabbit PolyELISA, FC, IHC, IP, WBIslet 115661-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GAC si23 12855-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GAM/GAC 1 23549-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA-Specific 3 20170-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5B si1 21632-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, WBLMX1B18278-1-APRabbit PolyELISA, IF, WBMAG14386-1-APRabbit PolyELISA, IF, WBMAP1B 3 21633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP2 17 17490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMOG 3 12690-1-APRabbit PolyELISA, Inhibition	HuD	24992-1-AP	Rabbit Poly	ELISA, IF, IP, WB
beta-421736-1-APRabbit PolyELISA, FC, IFC, IP, WBIslet 115661-1-APRabbit PolyELISA, IHC, IP, WBKGA/GACsi2312855-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA/GAM/GAC123549-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA-Specific320170-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5Bsi121632-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, IF, IHC, IP, WBLMX1B18278-1-APRabbit PolyELISA, IF, WBMAG14386-1-APRabbit PolyELISA, IF, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP21717490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMOG312690-1-APRabbit PolyELISA, Inhibition	IBA1 si 4	10904-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
KGA/GACsi2312855-1-APRabbit PolyELISA, IF, IHC, IP, WB Wes SystemKGA/GAM/GAC123549-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA-Specific320170-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5Bsi121632-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, IF, IHC, IP, WBLMX1B18278-1-APRabbit PolyELISA, IF, WBMAG14386-1-APRabbit PolyELISA, IF, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP21717490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMOG312690-1-APRabbit PolyELISA, Inhibition		21738-1-AP	Rabbit Poly	ELISA, FC, IHC, IP, WB
KGA/GAC12312833-1-APRabbit PolyWes SystemKGA/GAM/GAC123549-1-APRabbit PolyELISA, IF, IHC, IP, WBKGA-Specific320170-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5Bii121632-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, WBLMX1B18278-1-APRabbit PolyELISA, IF, WBMAG14386-1-APRabbit PolyELISA, IHC, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP21717490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMOG312690-1-APRabbit PolyELISA, Inhibition	Islet 1	15661-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
KGA-Specific320170-1-APRabbit PolyELISA, IF, IHC, IP, WBKIF5Bsi121632-1-APRabbit PolyELISA, IF, IHC, IP, WBLHX521567-1-APRabbit PolyELISA, WBLMX1B18278-1-APRabbit PolyELISA, IF, WBMAG14386-1-APRabbit PolyELISA, IF, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP21717490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WB	KGA/GAC si 2	3 12855-1-AP	Rabbit Poly	
KIF5B ii 1 21632-1-AP Rabbit Poly ELISA, IF, IHC, IP, WB LHX5 21567-1-AP Rabbit Poly ELISA, WB LMX1B 18278-1-AP Rabbit Poly ELISA, IF, WB MAG 14386-1-AP Rabbit Poly ELISA, IHC, WB MAP1B 3 21633-1-AP Rabbit Poly ELISA, FC, IF, IHC, WB MAP2 17 17490-1-AP Rabbit Poly ELISA, FC, IF, IHC, IP, WB	KGA/GAM/GAC	23549-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
LHX521567-1-APRabbit PolyELISA, WBLMX1B18278-1-APRabbit PolyELISA, IF, WBMAG14386-1-APRabbit PolyELISA, IHC, WBMAP1B321633-1-APRabbit PolyELISA, FC, IF, IHC, WBMAP21717490-1-APRabbit PolyELISA, FC, IF, IHC, IP, WBMOG312690-1-APRabbit PolyELISA, Inhibition	KGA-Specific	3 20170-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
LMX1B 18278-1-AP Rabbit Poly ELISA, IF, WB MAG 14386-1-AP Rabbit Poly ELISA, IHC, WB MAP1B 3 21633-1-AP Rabbit Poly ELISA, FC, IF, IHC, WB MAP2 17 17490-1-AP Rabbit Poly ELISA, FC, IF, IHC, IP, WB MOG 3 12690-1-AP Rabbit Poly ELISA, Inhibition	KIF5B si	21632-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
MAG 14386-1-AP Rabbit Poly ELISA, IHC, WB MAP1B 3 21633-1-AP Rabbit Poly ELISA, FC, IF, IHC, WB MAP2 17 17490-1-AP Rabbit Poly ELISA, FC, IF, IHC, IP, WB MOG 3 12690-1-AP Rabbit Poly ELISA, Inhibition	LHX5	21567-1-AP	Rabbit Poly	ELISA, WB
MAP1B 3 21633-1-AP Rabbit Poly ELISA, FC, IF, IHC, WB MAP2 17 17490-1-AP Rabbit Poly ELISA, FC, IF, IHC, IP, WB MOG 3 12690-1-AP Rabbit Poly ELISA, Inhibition	LMX1B	18278-1-AP	Rabbit Poly	ELISA, IF, WB
MAP2 17 17490-1-AP Rabbit Poly ELISA, FC, IF, IHC, IP, WB MOG 12690-1-AP Rabbit Poly ELISA, Inhibition	MAG	14386-1-AP	Rabbit Poly	ELISA, IHC, WB
MAP2 II 17490-1-AP Rabbit Poly WB	MAP1B	3 21633-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, WB
	MAP2	7 17490-1-AP	Rabbit Poly	
	MOG	3 12690-1-AP	Rabbit Poly	

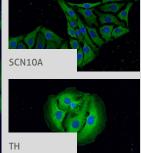
Antibody Name	Cat. No.	Туре	Applications
Myelin 2	10458-1-AP	Rabbit Poly	ELISA, IHC, WB
NANOG si 5	14295-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
Nestin 7	19483-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
NeuN 1	23060-1-AP	Rabbit Poly	ELISA, IHC, WB
NF200	60331-1-lg	Mouse Mono	ELISA, IF, IHC, WB
NF-H 💿 🌀	18934-1-AP	Rabbit Poly	ELISA, IHC, WB
NF-H	21471-1-AP	Rabbit Poly	ELISA, IHC, WB
NFIA	11750-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
NF-L	60189-1-lg	Mouse Mono	ELISA, IHC, WB
NF-L 1	12998-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
NF-M-Specific	20664-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
NKX2-2 si	13013-1-AP	Rabbit Poly	ELISA, IF, WB
NOTCH1 3	20687-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
Notch1 si 5	10062-2-AP	Rabbit Poly	ELISA, IHC, IP, WB
NR2B 2	19954-1-AP	Rabbit Poly	ELISA, FC, IF, WB
NR2B	21920-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
NR2F1	24573-1-AP	Rabbit Poly	ELISA, IHC, WB
NSE	55235-1-AP	Rabbit Poly	ELISA, IHC, WB
NSE	10149-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
NSE	66150-1-lg	Mouse Mono	ELISA, IF, IHC, WB
Nurr1/NR4A2 2	10975-2-AP	Rabbit Poly	ELISA, IHC, WB
OCT4	60242-1-lg	Mouse Mono	ELISA, IHC, WB
OCT4 si 20	11263-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
Oct6-Specific	18997-1-AP	Rabbit Poly	ELISA, WB
OLIG2 4	13999-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
OLIG2	25754-1-AP	Rabbit Poly	ELISA, WB
p75NTR • 2	55014-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
РАХ2 2	21385-1-AP	Rabbit Poly	ELISA, IF, WB
РАХ3	21386-1-AP	Rabbit Poly	ELISA, IP, WB
PAX3	51036-2-AP	Rabbit Poly	ELISA, WB

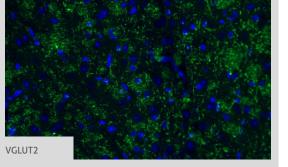
• This number shows the amount of times our antibody has been cited in a publication.

si This icon shows the antibody has been tested in siRNA treated samples.

More validation images available on our website.







Antibody Name	Cat. No.	Туре	Applications
PAX7	20570-1-AP	Rabbit poly	ELISA, WB
Peripherin	17399-1-AP	Rabbit poly	ELISA, IHC, WB
PHOX2B si 1	25276-1-AP	Rabbit poly	ELISA, IF, IHC, WB
РНОХ2В	66254-1-lg	Mouse Mono	ELISA, IHC, WB
PLAGL1	25864-1-AP	Rabbit poly	ELISA, WB
RELN	20689-1-AP	Rabbit poly	ELISA, IHC
RORB	17635-1-AP	Rabbit poly	ELISA, IHC, IP, WB
S100B 3	15146-1-AP	Rabbit poly	ELISA, IF, IHC, WB
SCN10A	55334-1-AP	Rabbit poly	ELISA, IF
SCN9A/ Nav1.7-Specific	20257-1-AP	Rabbit poly	ELISA, IF, IHC, WB
Somatostatin -Specific	17512-1-AP	Rabbit poly	ELISA, IHC, WB
SOX10	10422-1-AP	Rabbit poly	ELISA, WB
SOX2 si 4	20118-1-AP	Rabbit poly	ELISA, IHC, WB

Antibody Name	Cat. No.	Туре	Applications
SOX2 13	11064-1-AP	Rabbit poly	ELISA, IF, IHC, WB
TAC1	13839-1-AP	Rabbit poly	ELISA, IHC, WB
TBR1 12	20932-1-AP	Rabbit poly	ELISA, IF, IHC, IP, WB
TH O	25859-1-AP	Rabbit poly	ELISA, IF, IHC, IP, WB
TPH1	20879-1-AP	Rabbit poly	ELISA, WB
TPH2	22590-1-AP	Rabbit poly	ELISA, WB
TrkB	13129-1-AP	Rabbit poly	ELISA, IHC, IP, WB
VGLUT1	55491-1-AP	Rabbit poly	ELISA, FC, IHC
VGLUT2	25261-1-AP	Rabbit poly	ELISA, IF, WB
Vimentin	22031-1-AP	Rabbit poly	ELISA, IHC, WB
Vimentin si 2	60330-1-lg	Mouse Mono	ELISA, IF, IHC, WB
Vimentin si 68	10366-1-AP	Rabbit poly	ELISA, FC, IF, IHC, WB
WFS1 si 20	11558-1-AP	Rabbit poly	CoIP, ELISA, IF, IHC, IP, WB

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