For Research Use Only

GFAP Monoclonal antibody, PBS Only

Catalog Number:60190-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
60190-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG10452

GenBank Accession Number:
BC013596

GeneID (NCBI):
2670

UNIPROT ID:
P14136

Full Name:
glial fibrillary acidic protein

Calculated MW:
432 aa, 50 kDa

Observed MW:
45-52 kDa

Purification Method:
Protein A purification

CloneNo.:
4B2E10

Applications

Tested Applications:
WB, IHC, IF-P, IP, ELISA

Species Specificity:
human, mouse, rat, pig, rabbit

Background Information

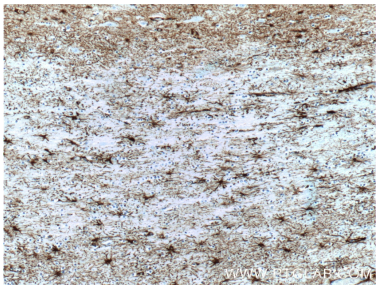
GFAP (Glial fibrillary acidic protein), an intermediate-filament (IF) protein, is specifically expressed in cells of astroglial lineage and is widely used to mark the astroglia in the brain. It is also used as a marker for intracranial and intraspinal tumors arising from astrocytes. This antibody is not recommended for immunocytofluorescent assays. It is not suitable for frozen sections.

Storage

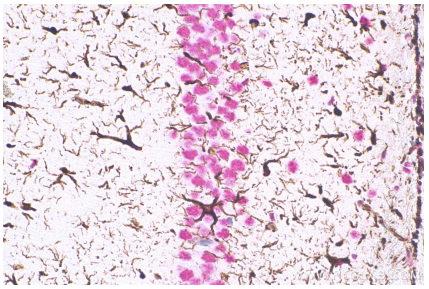
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

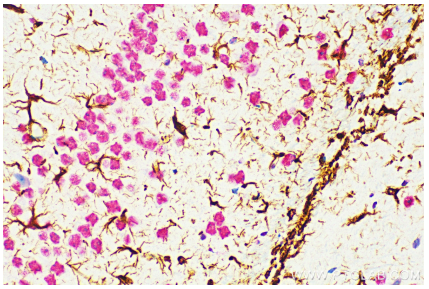
Selected Validation Data



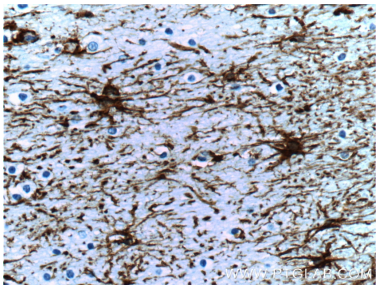
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60190-1-Ig (GFAP Antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieved with Citric acid buffer, pH6.0. This data was developed using the same antibody clone with 60190-1-PBS in a different storage buffer formulation.



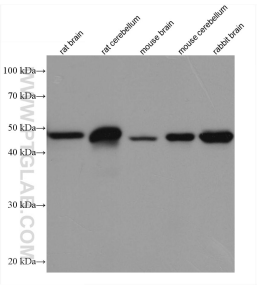
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 60190-1-Ig (GFAP antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60190-1-PBS in a different storage buffer formulation.



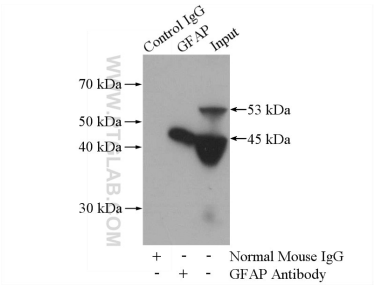
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 60190-1-Ig (GFAP antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60190-1-PBS in a different storage buffer formulation.



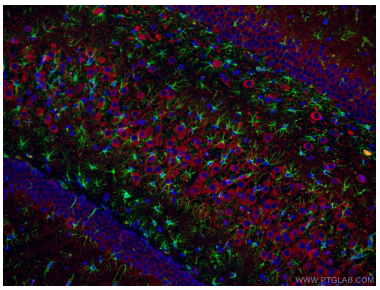
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60190-1-Ig (GFAP Antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieved with Citric acid buffer, pH6.0. This data was developed using the same antibody clone with 60190-1-PBS in a different storage buffer formulation.



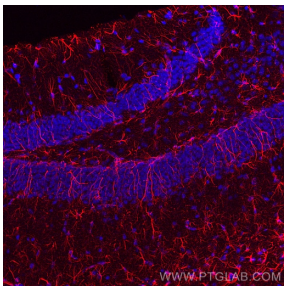
Various lysates were subjected to SDS PAGE followed by western blot with 60190-1-Ig (GFAP antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60190-1-PBS in a different storage buffer formulation.



IP result of anti-GFAP (IP:60190-1-Ig, 5ug; Detection:60190-1-Ig 1:1000) with mouse brain tissue lysate 2640ug. This data was developed using the same antibody clone with 60190-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using GFAP antibody (60190-1-Ig, Clone: 4B2E10) at dilution of 1:200 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60190-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using GFAP antibody (60190-1-Ig, Clone: 4B2E10) at dilution of 1:800 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60190-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 60190-1-Ig (GFAP antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60190-1-PBS in a different storage buffer formulation.