For Research Use Only

GFAP Recombinant antibody, PBS Only

Catalog Number:81063-1-PBS 1 Publications

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Basic Information

Catalog Number:
81063-1-PBS

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10423

GenBank Accession Number:
BC013596

GeneID (NCBI):
2670

UNIPROT ID:
P14136

Full Name:
glial fibrillary acidic protein

Calculated MW:
432 aa, 50 kDa

Purification Method:
Protein A purification

CloneNo.:
4C6

Applications

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

Cited Applications:
IHC

Species Specificity:
Human, mouse, rat , pig

Cited Species:
human

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 astroglia in the brain. It is also used as a marker for intracranial and intraspinal tumors arising from astrocytes.

Notable Publications

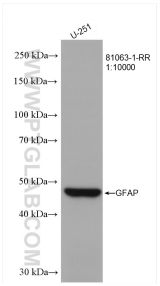
Author	Pubmed ID	Journal	Application
Xiaoxiao Guo	39337713	Int J Mol Sci	IHC

Storage

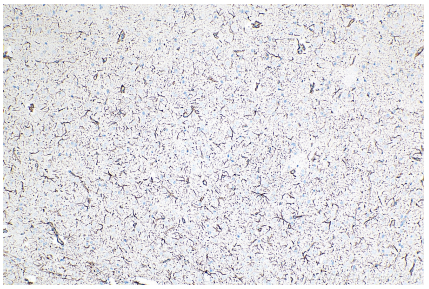
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

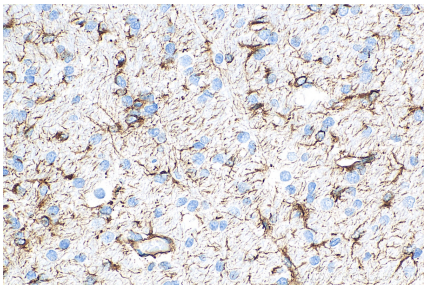
Selected Validation Data



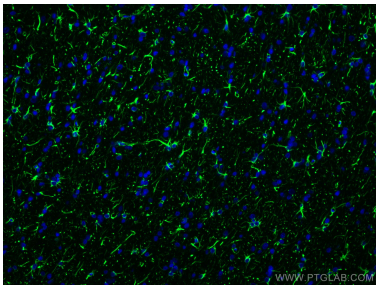
U-251 cells were subjected to SDS PAGE followed by western blot with 81063-1-RR (GFAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81063-1-PBS in a different storage buffer formulation.



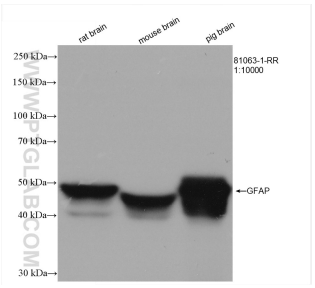
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81063-1-RR (GFAP antibody) at dilution of 1:9900 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81063-1-PBS in a different storage buffer formulation.



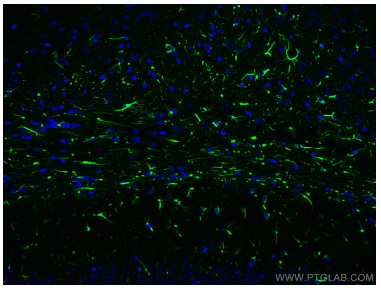
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81063-1-RR (GFAP antibody) at dilution of 1:9900 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81063-1-PBS in a different storage buffer formulation.



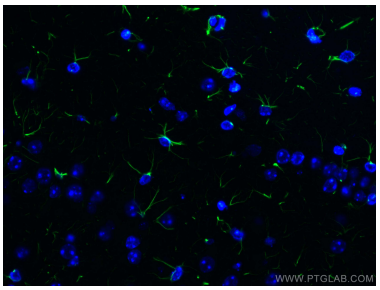
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using GFAP antibody (81063-1-RR, Clone: 4C6) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81063-1-PBS in a different storage buffer formulation.



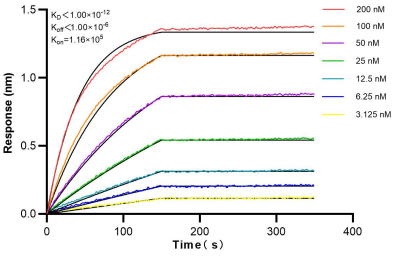
Various lysates were subjected to SDS PAGE followed by western blot with 81063-1-RR (GFAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81063-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GFAP antibody (81063-1-RR, Clone: 4C6) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81063-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GFAP antibody (81063-1-RR, Clone: 4C6) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81063-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 81077-1-RR against Human GFAP were performed. The affinity constant is below 1 pM.