

For Research Use Only

GFAP Recombinant antibody, PBS Only

Catalog Number: 81063-1-PBS

1 Publications



Basic Information

Catalog Number:

81063-1-PBS

Size:

1mg/ml

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

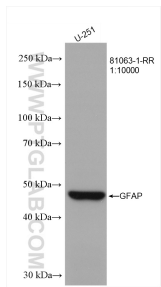
T: 4006900926

E: Proteintech-CN@ptglab.com

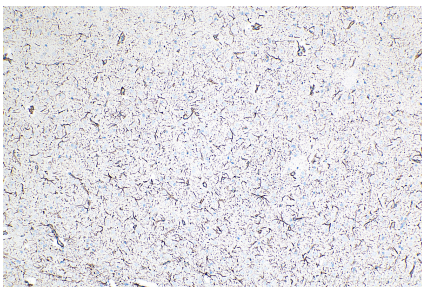
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

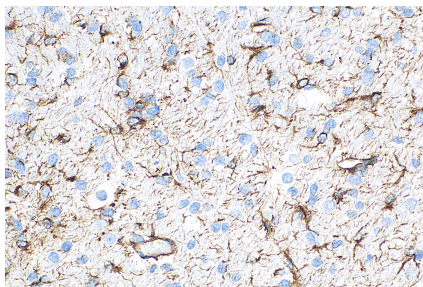
Selected Validation Data



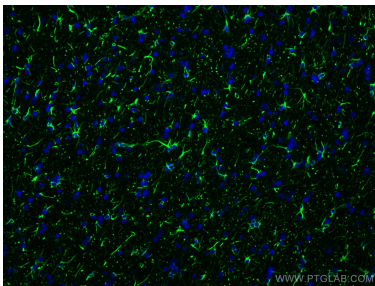
U-251 cells were subjected to SDS PAGE followed by western blot with 81063-1-RR (GFAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81063-1-PBS in a different storage buffer formulation.



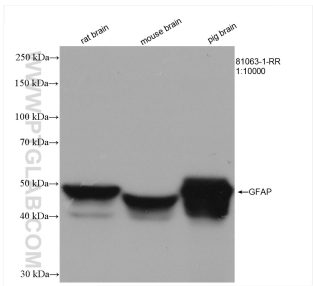
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81063-1-RR (GFAP antibody) at dilution of 1:9900 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81063-1-PBS in a different storage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



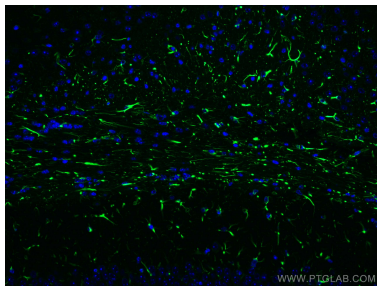
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81063-1-RR (GFAP antibody) at dilution of 1:9900 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81063-1-PBS in a different storage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



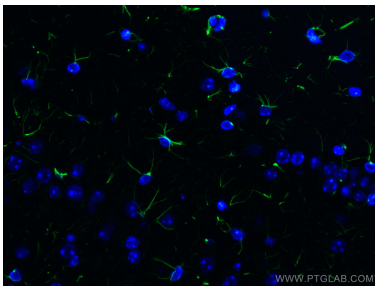
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using GFAP antibody (81063-1-RR, Clone: 4C6) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81063-1-PBS in a different storage buffer formulation.



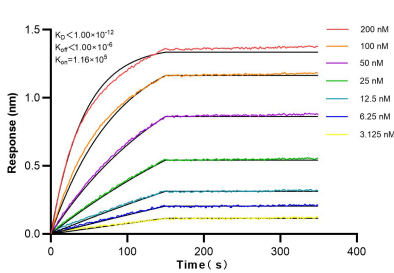
Various lysates were subjected to SDS PAGE followed by western blot with 81063-1-RR (GFAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81063-1-PBS in a different storage buffer formulation.



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.