

For Research Use Only

GFAP Recombinant antibody

Catalog Number: 81063-1-RR



Basic Information

Catalog Number: 81063-1-RR	GenBank Accession Number: BC013596	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2670	CloneNo.: 4C6
Source: Rabbit	UNIPROT ID: P14136	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:4950-1:19800 IF-P 1:50-1:500
Isotype: IgG	Full Name: glial fibrillary acidic protein	
Immunogen Catalog Number: AG10423	Calculated MW: 432 aa, 50 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

Human, mouse, rat, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : U-251 cells, rat brain tissue, mouse brain tissue, pig brain tissue

IHC : rat brain tissue,

IF-P : rat brain tissue, mouse brain tissue

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.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

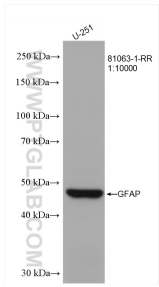
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

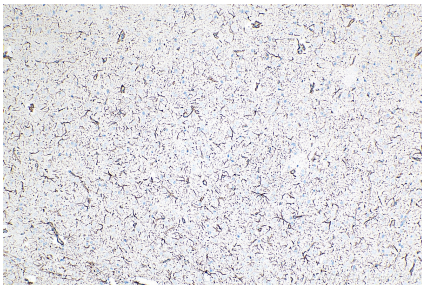
E: proteintech@ptglab.com
W: ptglab.com

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

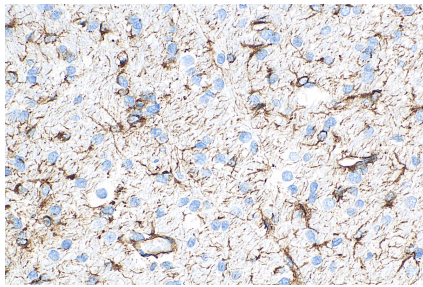
Selected Validation Data



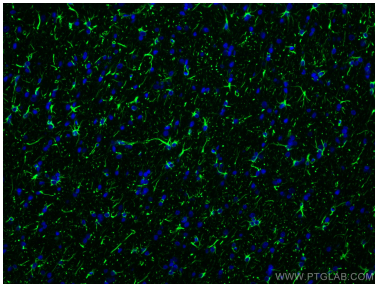
U-251 cells were subjected to SDS PAGE followed by western blot with 81063-1-RR (GFAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



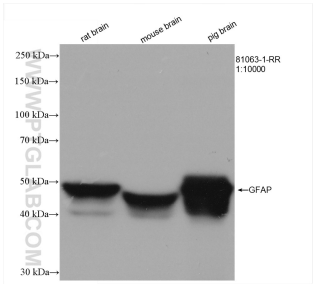
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81063-1-RR (GFAP antibody) at dilution of 1:9900 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



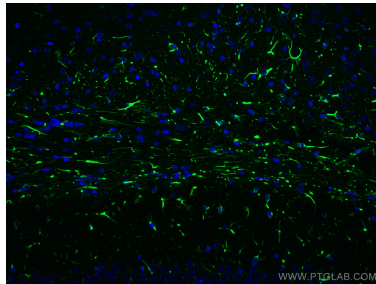
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81063-1-RR (GFAP antibody) at dilution of 1:9900 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



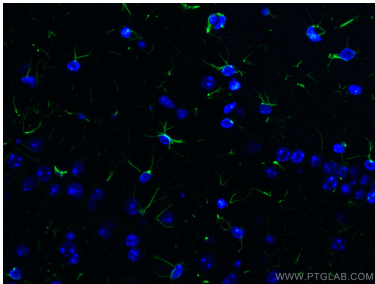
Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using GFAP antibody (81063-1-RR, Clone: 4C6) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



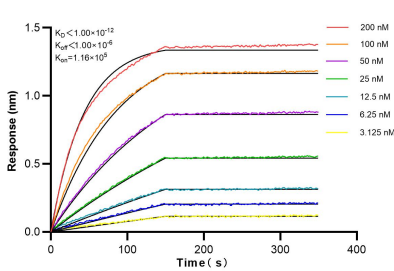
Various lysates were subjected to SDS PAGE followed by western blot with 81063-1-RR (GFAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



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).



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