

For Research Use Only

GFAP Monoclonal antibody

Catalog Number: 60190-1-Ig **128 Publications**



Basic Information

Catalog Number: 60190-1-Ig	GenBank Accession Number: BC013596	Purification Method: Protein A purification
Size: 150ul , Concentration: 2000 µg/ml by Nanodrop;	GeneID (NCBI): 2670	CloneNo.: 4B2E10
Source: Mouse	UNIPROT ID: P14136	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:10000 IF 1:50-1:500
Isotype: IgG2a	Full Name: glial fibrillary acidic protein	
Immunogen Catalog Number: AG10452	Calculated MW: 432 aa, 50 kDa	
	Observed MW: 45-52 kDa	

Applications

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

Cited Applications:
WB, IF, IHC, Dot blot

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

Cited Species:
human, rat, mouse, rabbit, 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 : rat brain tissue, human brain tissue, pig brain tissue, U-251 cells, rat cerebellum, mouse brain, mouse cerebellum, rabbit brain

IP : mouse brain tissue,

IHC : human brain tissue, human gliomas tissue, mouse brain tissue, rat brain tissue

IF : 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 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Kenji Sakamoto	29110956	J Pharmacol Sci	IHC
Yingying Wang	36174863	Int J Biol Macromol	IF
Shuisheng Yu	34646136	Front Pharmacol	IF

Storage

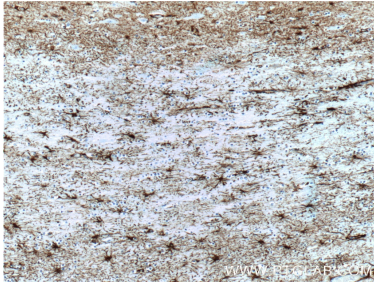
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

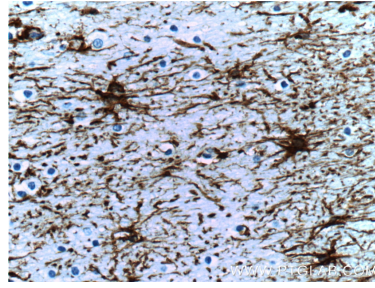
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

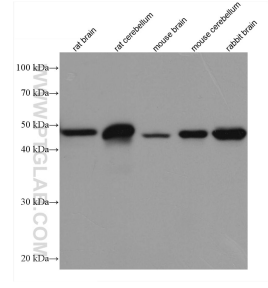
Selected Validation Data



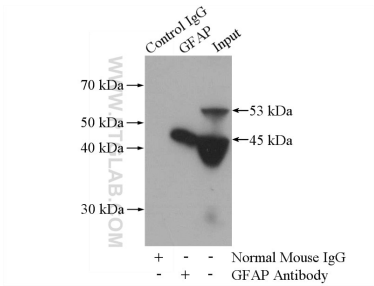
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60190-1-Ig (GFAP Antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieved with Citric acid buffer, pH6.0.



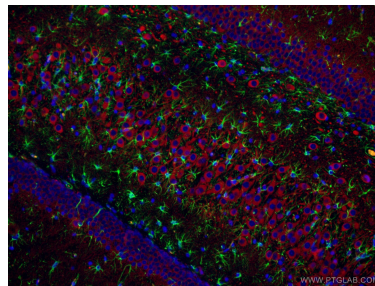
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60190-1-Ig (GFAP Antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieved with Citric acid buffer, pH6.0.



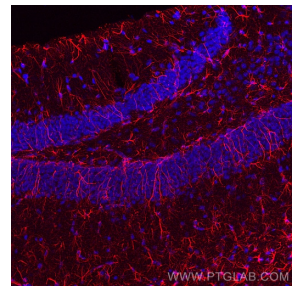
Various lysates were subjected to SDS PAGE followed by western blot with 60190-1-Ig (GFAP antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



IP result of anti-GFAP (IP:60190-1-Ig, 5ug; Detection:60190-1-Ig 1:1000) with mouse brain tissue lysate 2640ug.



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using 60190-1-Ig (GFAP antibody) at dilution of 1:200 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed 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).