

# GFAP Monoclonal antibody

Catalog Number: 60190-1-Ig 124 Publications

## Basic Information

### Catalog Number:

60190-1-Ig

### Size:

2000 µg/ml

### 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

### Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:10000

IF 1:50-1:500

## Applications

### Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

### Cited Applications:

Dot blot, IF, IHC, WB

### 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**

**This antibody is not recommended for immunocytofluorescent assays. It is not suitable for frozen sections.**

### 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

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

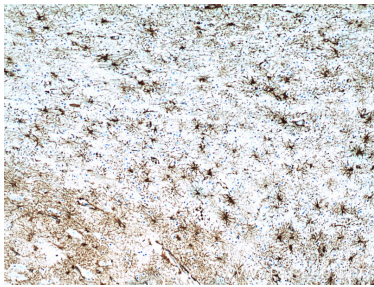
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

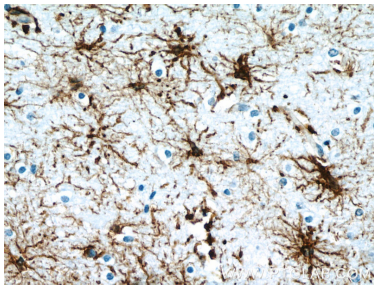
W: [ptgcn.com](http://ptgcn.com)

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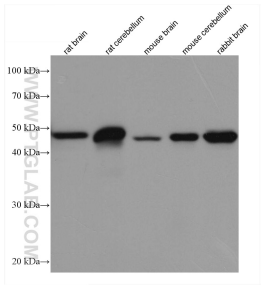
Selected Validation Data



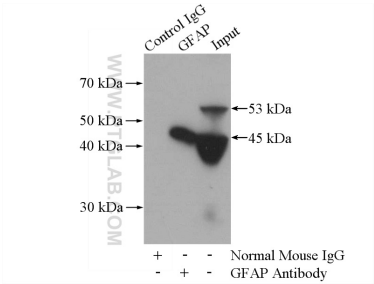
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60190-1-Ig (GFAP Antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieved with Citric acid buffer, pH6.0.



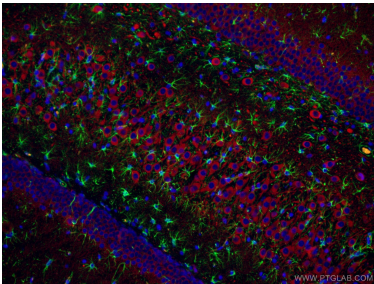
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60190-1-Ig (GFAP Antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieved with Citric acid buffer, pH6.0.



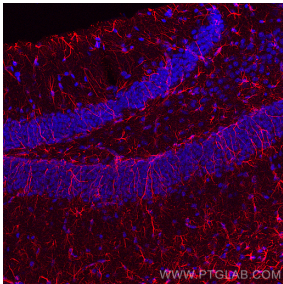
Various lysates were subjected to SDS PAGE followed by western blot with 60190-1-Ig (GFAP antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



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).