

# GFAP Rabbit pAb

Catalog No.: A0237SP **41 Publications**

## Basic Information

### Observed MW

50 kDa

### Calculated MW

50 kDa

### Category

Primary antibody

### Applications

WB,IF-F,IF-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

## Recommended Dilutions

**WB** 1:2000 - 1:5000

**IF-F** 1:100 - 1:1000

**IF-P** 1:100 - 1:1000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

2670

### Swiss Prot

P14136

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

ALXDRD; GFAP

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

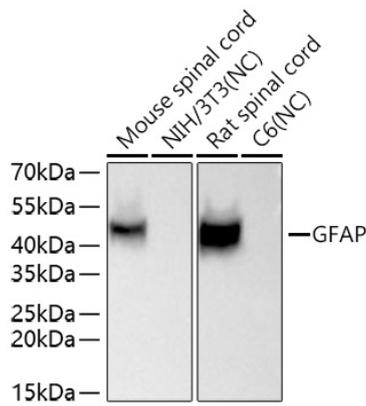
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

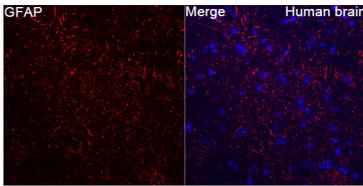
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

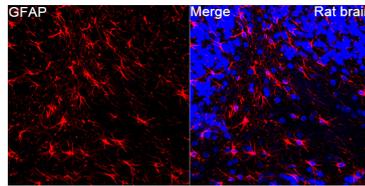
## Validation Data



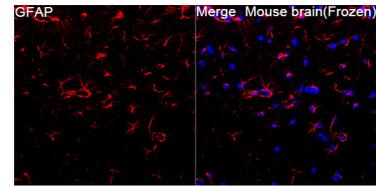
Western blot analysis of various lysates using GFAP Rabbit pAb (A0237SP) at 1:3000 dilution incubated at room temperature for 1.5 hours.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Negative control (NC): NIH/3T3, C6.  
 Exposure time: 20 s.



Immunofluorescence analysis of Human brain tissue using GFAP Rabbit pAb (A0237SP) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunofluorescence analysis of Rat brain tissue using GFAP Rabbit pAb (A0237SP) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunofluorescence analysis of frozen sections of Mouse brain tissue using GFAP Rabbit pAb (A0237SP) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.