

Anti-GFAP Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Rabbit,Sheep)
Molecular Weight:	Theoretical: 48 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GFAP) Polyclonal Antibody, Unconjugated (TMAB-00762) at 1:500 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI for nucleus staining.
2. Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GFAP) Polyclonal Antibody, Unconjugated (TMAB-00762) at 1:500 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI for nucleus staining.
3. Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GFAP) Polyclonal Antibody, Unconjugated (TMAB-00762) at 1:500 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI for nucleus staining.
4. Paraformaldehyde-fixed, paraffin embedded (human brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GFAP) Polyclonal Antibody, Unconjugated (TMAB-00762) at 1:500 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI for nucleus staining.
5. Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GFAP) Polyclonal Antibody, Unconjugated (TMAB-00762) at 1:300 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI for nucleus staining.
6. Blank control: U87MG.

Verified Activity:

Primary Antibody (green line): Rabbit Anti-GFAP antibody (TMAB-00762)

Dilution: 1 µg/Test;

Secondary Antibody: Goat anti-rabbit IgG-FITC

Dilution: 0.5 µg/Test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

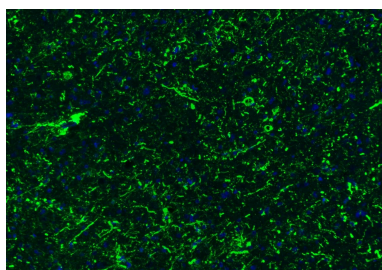
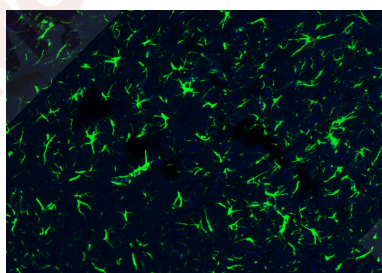
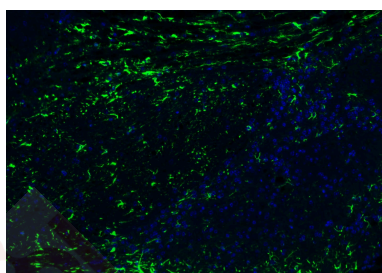
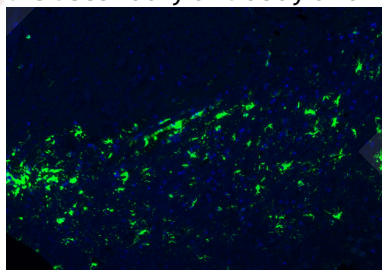
7. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Polyclonal

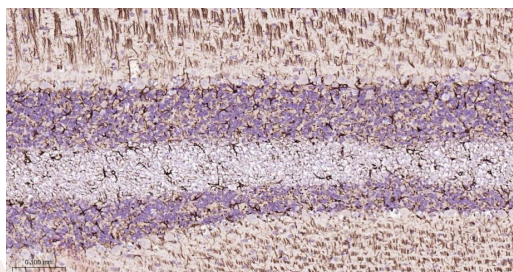
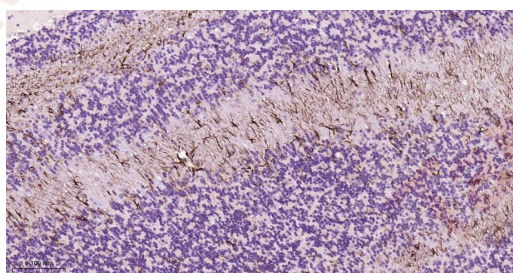
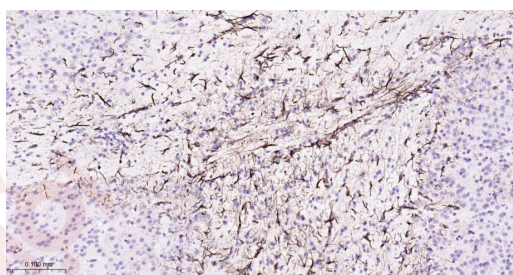
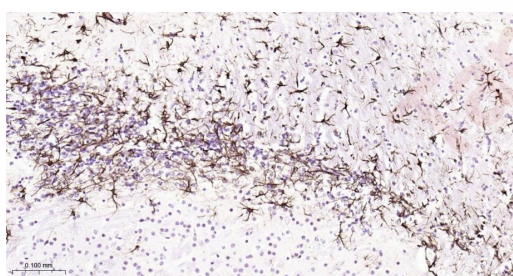
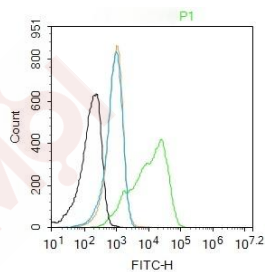
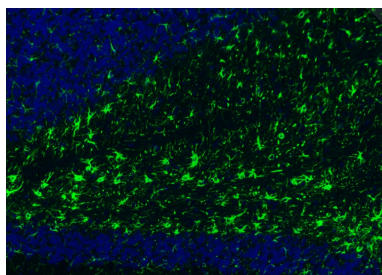
Antibody, Unconjugated (TMAB-00762) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

8. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Polyclonal Antibody, Unconjugated (TMAB-00762) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

9. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Polyclonal Antibody, Unconjugated (TMAB-00762) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

10. Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Polyclonal Antibody, Unconjugated (TMAB-00762) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.





Application: FCM,IF,IHC-Fr,IHC-P

Recommended IHC-P=1:200-1000,IHC-F=1:200-1000,IF=1:200-1000,Flow-Cyt=1:50-100

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Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human GFAP

Antigen Species: Human

Gene ID: 2670

Uniprot ID: P14136

Synonyms: GFAP; Glial Fibrillary Acidic Protein

Biology Area: Intermediate Filaments, Astrocyte marker, GFAP, Astrocyte, Glial

Research 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. [provided by RefSeq, Oct 2008]

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