

bsm-42001M

[Primary Antibody]

GFAP Mouse mAb

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ANTIBODIES

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DATASHEET

Host: Mouse

Clonality: Monoclonal

GeneID: 2670

Target: GFAP

Immunogen: Recombinant human GFAP protein: 1-390/432.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

Isotype: IgG

CloneNo.: 8H10

SWISS: P14136

Applications: **WB** (1:1000-5000)
IHC-P (1:200-2000)
IHC-F (1:200-2000)
IF (1:200-2000)

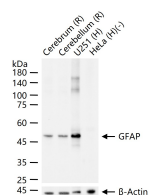
Reactivity: Human, Mouse, Rat

Predicted MW.: 48 kDa

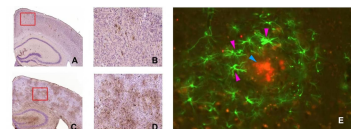
Observed MW.: 48 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES

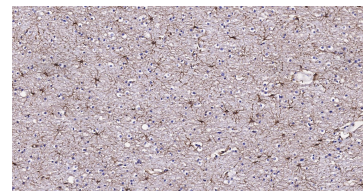


25 ug total protein per lane of various lysates (see on figure) probed with GFAP monoclonal antibody, unconjugated (bsm-42001M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

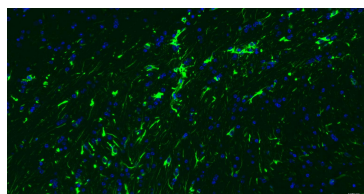


AD and GFAP in APP/PS1 transgenic mouse brain sections. The images show GFAP-positive cells (green) and nuclei (blue) in the cerebellum (A, B) and hippocampus (C, D). The scale bar represents 100 μm.

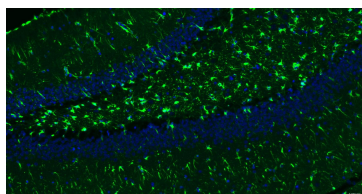
该数据由宣武医院科研人员提供



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Monoclonal Antibody, Unconjugated (bsm-42001M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



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 Antibody, Unconjugated (bsm-42001M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (Green, bs-0296G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.



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 Antibody, Unconjugated (bsm-42001M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (Green, bs-0296G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

— SELECTED CITATIONS —

- **[IF=3.8]** Zhao Meng-Meng. et al. Electroacupuncture Alleviates Cerebral Ischemia-Reperfusion Injury by Downregulating IL-17 A and Inhibiting Neurotoxic Astrocyte Activation. NEUROCHEM RES. 2025 Dec;50(6):1-14 IF ;Mouse. 41214402