

GFAP Recombinant Rabbit mAb

Catalog Number: bsm-52254R

Target Protein: GFAP

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 3F4

Isotype: IgG

Applications: WB (1:500-1:20000), IHC-P (1:100-1:500), IHC-F (1:100-1:500), IF (1:100-1:500)

Reactivity: Human, Mouse, Rat

Predicted MW: 48 kDa

Entrez Gene: 2670

Swiss Prot: P14136

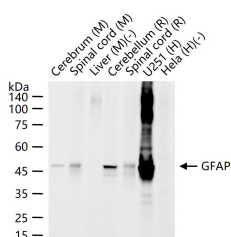
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

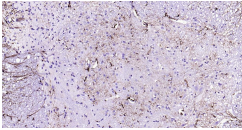
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

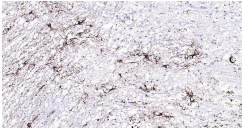
VALIDATION IMAGES



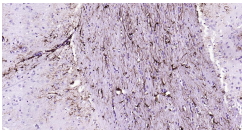
25 ug total protein per lane of various lysates (see on figure) probed with GFAP monoclonal antibody, unconjugated (bsm-52254R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



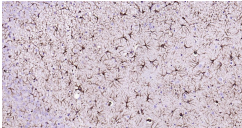
Paraformaldehyde-fixed, paraffin embedded Mouse Spinal Cord; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GFAP Monoclonal Antibody, Unconjugated(bsm-52254R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



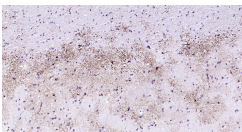
Paraformaldehyde-fixed, paraffin embedded Rat Spinal Cord; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GFAP Monoclonal Antibody, Unconjugated(bsm-52254R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GFAP Monoclonal Antibody, Unconjugated(bsm-52254R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GFAP Monoclonal Antibody, Unconjugated(bsm-52254R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GFAP Monoclonal Antibody, Unconjugated(bsm-52254R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=8.4] Depeng Fang. et al. ROS-responsive nanocomposite scaffolds for sustained releasing puerarin to achieve chondroprotection in OA rats. MATER DESIGN. 2023 Aug;;112214 IF ; Rat . 10.1016/j.matdes.2023.112214

[IF=4.755] Hou Yujun. et al. Maintenance of Intestinal Homeostasis in Diarrhea-Predominant Irritable Bowel Syndrome by Electroacupuncture Through Submucosal Enteric Glial Cell-Derived S-Nitrosoglutathione. FRONT PHYSIOL. 2022 Aug;0:1368 IF ; Rat . 36105292

[IF=3.6] Shi Yu-Sheng. et al. 1,7-diphenyl-4-hepten-3-one mitigates Alzheimer' s-like pathology by inhibiting pyroptosis via activating the Nrf2 pathway. N-S ARCH PHARMACOL. 2023 Oct;;1-11 IF ; Mouse . 37878046

[IF=2.5] Zhan Zhou. et al. Transfer of massive mitochondria from astrocytes reduce propofol neurotoxicity. NEUROSCI LETT. 2024 Jan;818:137542 IF ; Rat . 37926293

[IF=1.4] Na Miao. et al. Overexpression of ZEB1 and YAP1 is related to poor prognosis in patients with gliomas with different IDH1 status. INT J CLIN EXP PATHO. 2023; 16(7): 138–149 IHC ; Human . 37559682