

**bsm-52254R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

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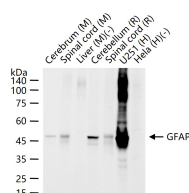
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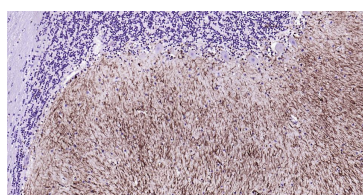
400-901-9800

**GFAP Recombinant Rabbit mAb****— DATASHEET —**

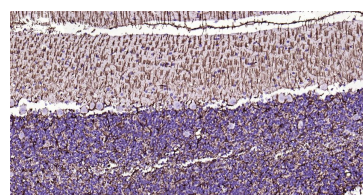
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-1:20000) <b>IHC-P</b> (1:100-1:500) <b>IHC-F</b> (1:100-1:500) <b>IF</b> (1:100-1:500)  <b>Reactivity:</b> Human, Mouse, Rat  <b>Predicted MW.:</b> 48 kDa  <b>Subcellular Location:</b> Cytoplasm
<b>Clonality:</b> Recombinant	<b>CloneNo.:</b> 3F4	
<b>GeneID:</b> 2670	<b>SWISS:</b> P14136	
<b>Target:</b> GFAP		
<b>Immunogen:</b> A synthesized peptide derived from human GFAP: 1-41.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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 Human Cerebellum; 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 Cerebellum; 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.

**— SELECTED CITATIONS —**

- **[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

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