

**bsm-42001M**

**[ Primary Antibody ]**

## GFAP Mouse mAb

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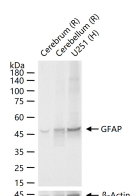
techsupport@bioss.com.cn

400-901-9800

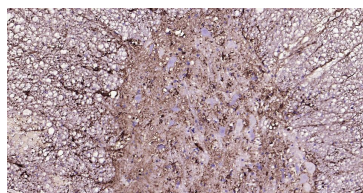
### — DATASHEET —

<b>Host:</b> Mouse	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:200-2000) <b>IHC-F</b> (1:200-2000) <b>IF</b> (1:200-2000)  <b>Reactivity:</b> Human, Mouse, Rat    <b>Predicted MW.:</b> 48 kDa  <b>Subcellular Location:</b> Cytoplasm
<b>Clonality:</b> Monoclonal	<b>CloneNo.:</b> 8H10	
<b>GeneID:</b> 2670	<b>SWISS:</b> P14136	
<b>Target:</b> GFAP		
<b>Immunogen:</b> Recombinant human GFAP protein: 1-390/432.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<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]		

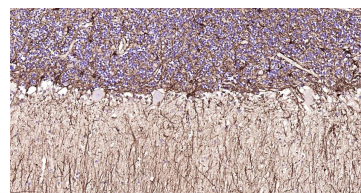
### — VALIDATION IMAGES —



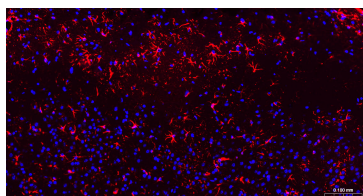
25 ug total protein per lane of various lysates (see on figure) probed with GFAP monoclonal antibody, unconjugated (bsm-42001M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



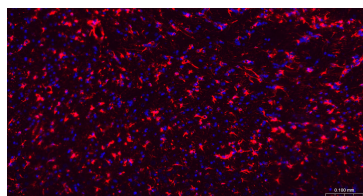
Paraformaldehyde-fixed, paraffin embedded Rat Spinal Cord; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GFAP Monoclonal Antibody, Unconjugated (bsm-42001M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024) and DAB (C-0010) staining.



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-42001M) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse, sp-0024) 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-42001M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (Red, bs-0296G-BF594), DAPI (blue, C02-04002) was used to stain the cell



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-42001M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (Red, bs-0296G-BF594), 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.

nuclei.