

bsm-42001R**[Primary Antibody]**

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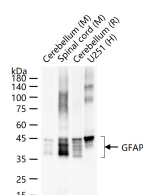
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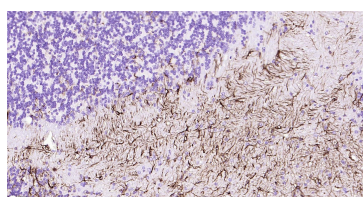
GFAP Recombinant Rabbit mAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 6G1**GeneID:** 2670**SWISS:** P14136**Target:** GFAP**Immunogen:** Recombinant human GFAP protein: 1-390/432.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

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.

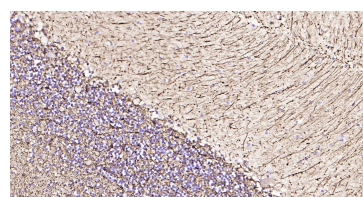
Background: This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

Applications: WB (1:1000-5000)**IHC-P** (1:200-1000)**IHC-F** (1:200-1000)**IF** (1:200-1000)**Flow-Cyt** (1:50-100)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 48 kDa**Observed MW.:** 35-45 kDa**Subcellular Location:** Cytoplasm**VALIDATION IMAGES**

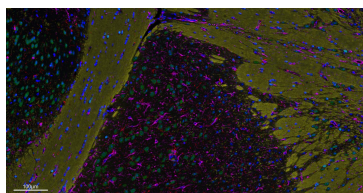
25 ug total protein per lane of various lysates (see on figure) probed with GFAP monoclonal antibody, unconjugated (bsm-42001R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



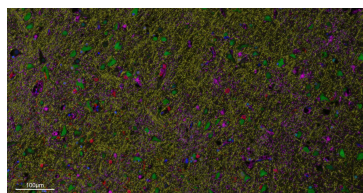
Paraformaldehyde-fixed, paraffin embedded Mouse Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Monoclonal Antibody, Unconjugated (bsm-42001R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



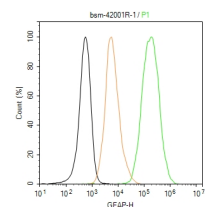
Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GFAP Monoclonal Antibody, Unconjugated (bsm-42001R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum. Merged staining of anti-GFAP (bsm-42001R; 1:200; pink) anti-AIF1/Iba1 (bsm-54132R; 1:200; red) anti-NeuN (bsm-52268R; 1:200; green) anti-MBP (bsm-33932M; 1:200; yellow) and anti-Olig2 (bsm-61115R; 1:200; light blue) . DAPI (dark blue) was used as a nuclear counter stain.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum. Merged staining of anti-GFAP (bsm-42001R; 1:200; pink) anti-AIF1/Iba1 (bsm-54132R; 1:200; red) anti-NeuN (bsm-52268R; 1:200; green) anti-MBP (bsm-33932M; 1:200; yellow) and anti-Olig2 (bsm-61115R; 1:200; light blue) . DAPI (dark blue) was used as a nuclear counter stain.



The U-251 MG (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-GFAP antibody (bsm-42001R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

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