

bs-0199R**[Primary Antibody]****GFAP Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

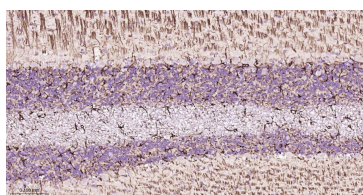
sales@bioss.com.cn

techsupport@bioss.com.cn

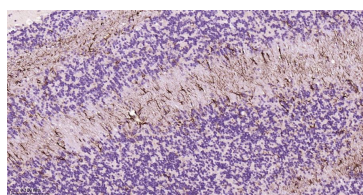
400-901-9800

— DATASHEET —

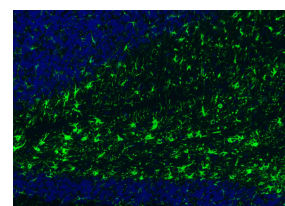
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:200-1000)
Clonality: Polyclonal		IHC-F (1:200-1000)
GeneID: 2670	SWISS: P14136	IF (1:200-1000)
Target: GFAP		Flow-Cyt (1µg/Test)
Immunogen: KLH conjugated synthetic peptide derived from human GFAP: 51-150/432.		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog)
Purification: affinity purified by Protein A		Predicted MW.: 48 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm
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 —

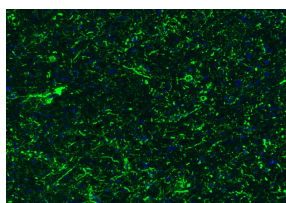
Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Polyclonal Antibody, Unconjugated (bs-0199R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



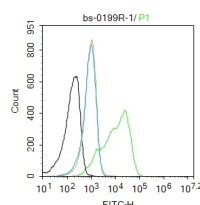
Paraformaldehyde-fixed, paraffin embedded Mouse Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Polyclonal Antibody, Unconjugated (bs-0199R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GFAP) Polyclonal Antibody, Unconjugated (bs-0199R) at 1:300 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI for nuclei staining.



Paraformaldehyde-fixed, paraffin embedded (human brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GFAP) Polyclonal Antibody, Unconjugated (bs-0199R) at 1:500 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (YF488) for 90 minutes, and DAPI for nuclei staining.



Blank control:U87MG. Primary Antibody (green line): Rabbit Anti-GFAP antibody (bs-0199R) Dilution: 1µg/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5µg/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein

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

interactions for 30 min at room temperature
.Cells stained with Primary Antibody for 30 min
at room temperature. The secondary antibody
used for 40 min at room temperature.
Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=32.086]** Yuxin Liu. et al. Ferromagnetic flexible electronics for brain-wide selective neural recording. ADV MATER. 2022 Nov;;2208251 IF ;Rat. 36451587
- **[IF=13.3]** Fangyu Qiao. et al. Dual siRNA-Loaded Cell Membrane Functionalized Matrix Facilitates Bone Regeneration with Angiogenesis and Neurogenesis. SMALL. 2023 Oct;;2307062 WB,IF,IHC ;Rat. 37824284
- **[IF=12.7]** Fangyu Qiao. et al. Growth factor collected cell membrane-functionalized matrix for vascular-innervated bone regeneration. COMPOSITES PART B-ENGINEERING. 2025 Feb;291:112019 IF ;Rat. 10.1016/j.compositesb.2024.112019
- **[IF=13.273]** Ting Li. et al. Nanoformulated metformin enhanced the treatment of spinal cord injury. CHEM ENG J. 2022 Oct;446:137227 IHC ;Rat. 10.1016/j.cej.2022.137227
- **[IF=13]** Changyi Ji. et al. Neuronal hypofunction and network dysfunction in a mouse model at an early stage of tauopathy. ALZHEIMERS DEMENT. 2024 Oct;; WB,IHC ;Mouse. 39368113