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

GFAP Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

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]

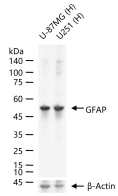
Applications: **WB** (1:5000-20000)
ICC/IF (1:50-200)
ELISA (1:5000-10000)

Reactivity: Human

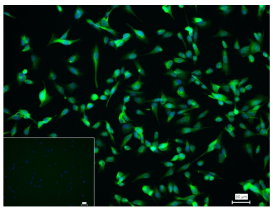
Predicted MW.: 48 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with GFAP polyclonal antibody, unconjugated (bs-42001R) at 1:20000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed U87-MG (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (GFAP) polyclonal Antibody, unconjugated (bs-42001R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

SELECTED CITATIONS

- **[IF=3.3]** Juan Zhang. et al.Up-regulation of miR-10a-5p expression inhibits the proliferation and differentiation of neural stem cells by targeting Chl1.Acta Biochimica et Biophysica Sinica.2024 Jun 5;56(10):1483-1497. ICC ;Mouse. 10.3724/abbs.2024078