

## GFAP Rabbit pAb

Catalog Number: bs-42001R

Target Protein: GFAP

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Reactivity: Human (predicted:Mouse, Rat)

Predicted MW: 48 kDa

Entrez Gene: 2670

Swiss Prot: P14136

Source: Recombinant human GFAP protein: 1-390/432.

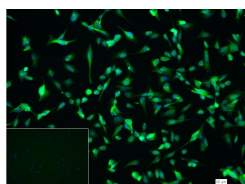
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

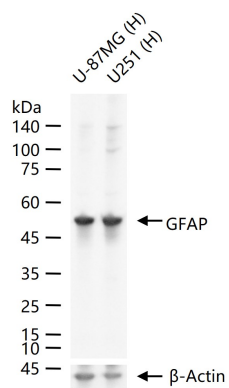
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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]

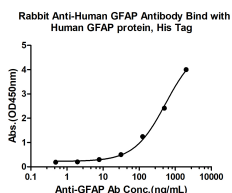
### VALIDATION IMAGES



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.



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.



Measured by its binding ability in a indirect ELISA. Immobilized Human GFAP protein, His Tag (Cat. bs-42001P) at 2 µg/mL (100 µL/well) can bind Rabbit Anti-Human GFAP Antibody, the EC50 is 540.1 ng/mL.