

Mouse Anti-GFAP antibody

SLM-42001M

Product Name GFAP

Chinese Name 胶质纤维酸性蛋白单克隆抗体

Alias Astrocyte Marker; FLJ45472; Glial Fibrillary Acidic Protein; Intermediate filament protein; GFAP_HUMAN.

Research Area Tumour Cell biology immunology Developmental biology Neurobiology Signal transduction Stem cells Cell adhesion molecule Cell type markers Cytoskeleton

Immunogen Species Mouse

Clonality Monoclonal

React Species Human,Mouse,Rat

Applications WB=1:1000-5000,IHC-P=1:200-2000,IHC-F=1:200-2000,IF=1:200-2000 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 48kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen Recombinant human GFAP protein: 1-390/432

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

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

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

PubMed [PubMed](#)

Product This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is

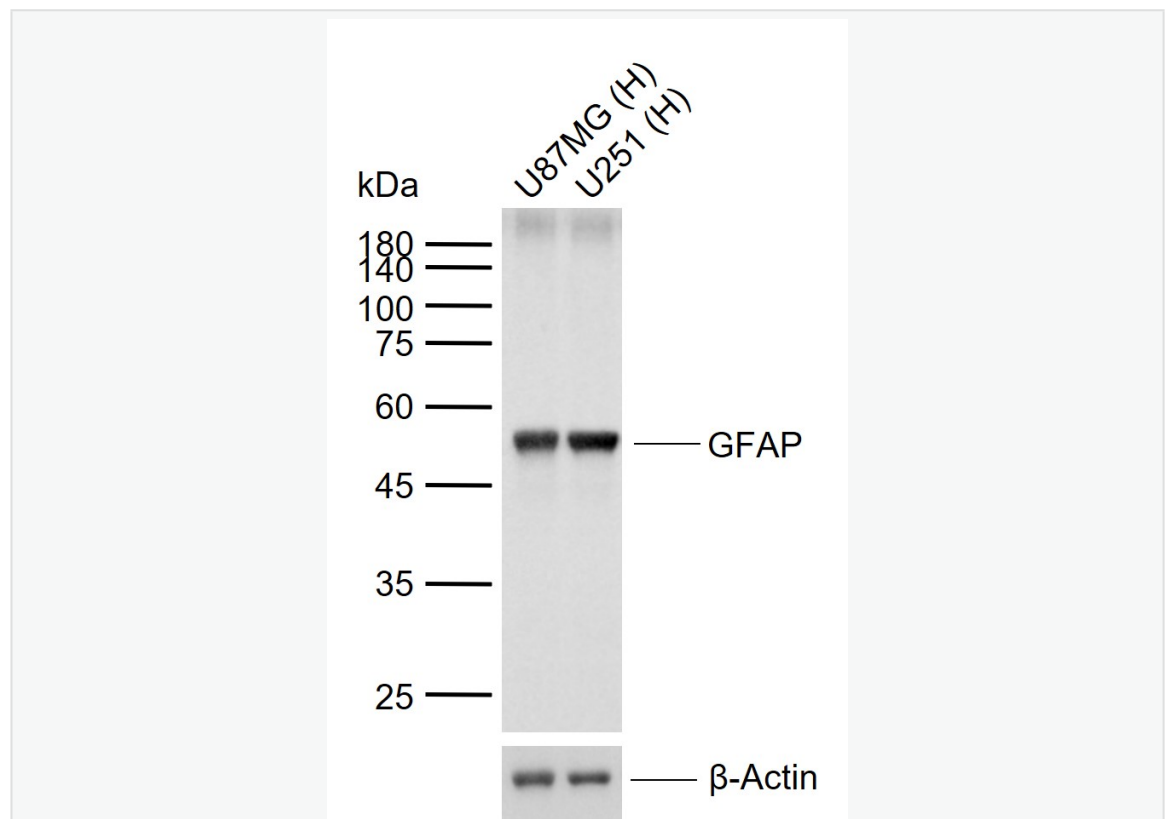
Detail

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]

SWISS:
P14136

Gene ID:
2670

**Product
Picture**



Sample:

Lane 1: Human U87MG cell lysates

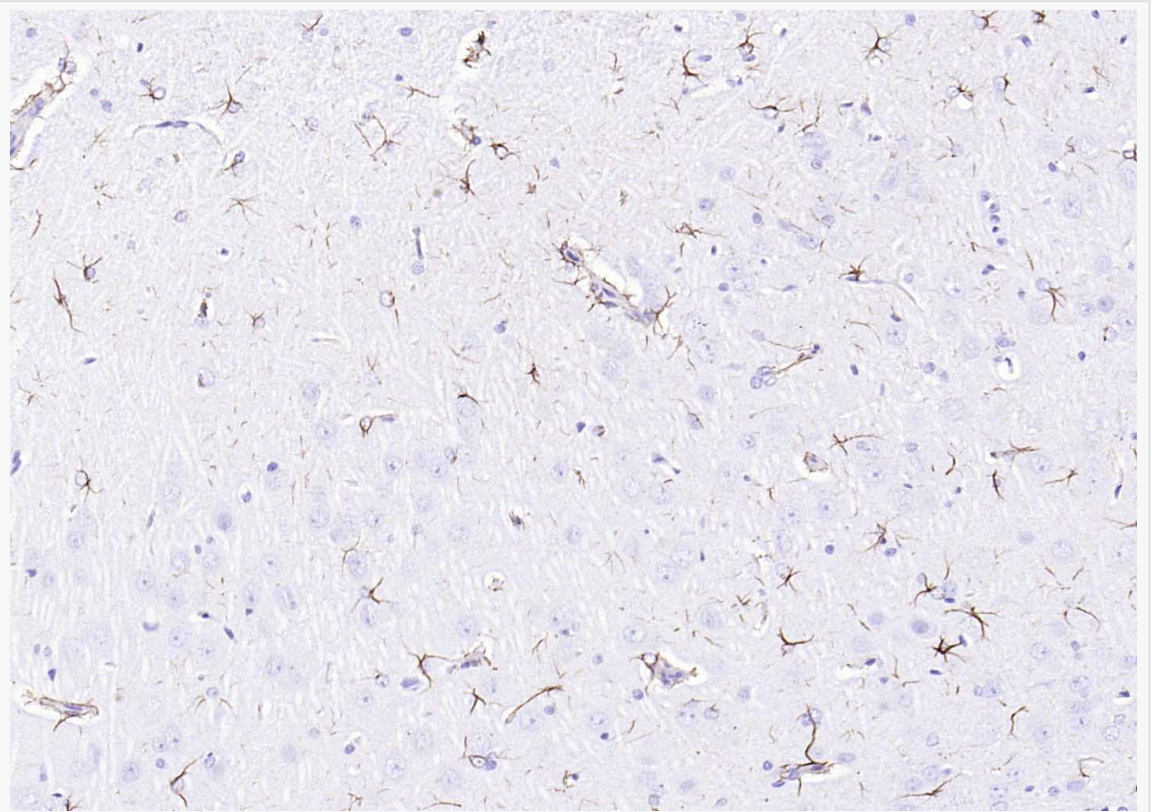
Lane 2: Human U251 cell lysates

Primary: Anti-GFAP (SLM-42001M) at 1/1000 dilution

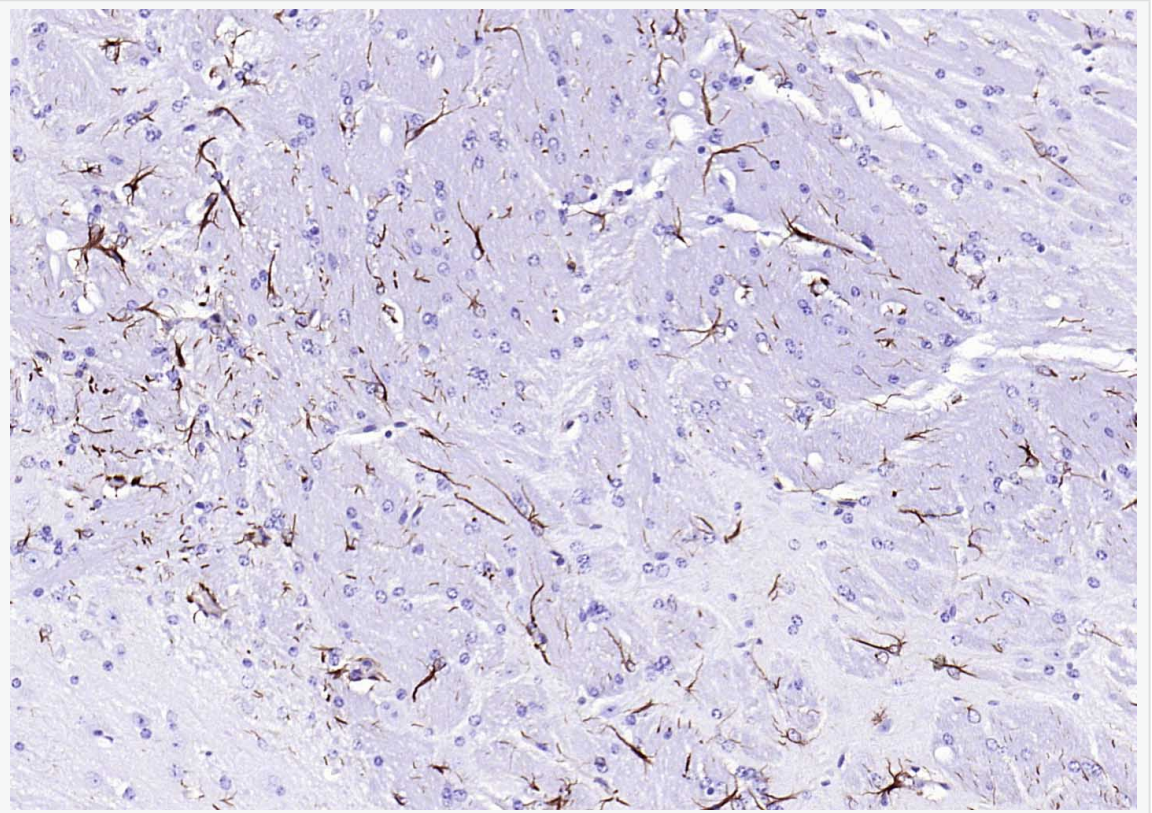
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 48 kDa

Observed band size: 50 kDa



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GFAP) Monoclonal Antibody, Unconjugated (SLM-42001M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GFAP) Monoclonal Antibody, Unconjugated (SLM-42001M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.