

Mouse anti-Mouse, Rat GFAP Monoclonal Antibody | anti-GFAP antibody

GFAP Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31476	Mouse	Mouse, Rat	Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

GFAP; Monoclonal Antibody; GFAP Monoclonal Antibody; Mouse Anti-GFAP Monoclonal Antibody; Glial fibrillary acidic protein; anti-GFAP antibody

PRODUCT SPECIFICATIONS

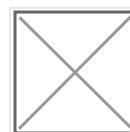
Host	Mouse
Reactivity	Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Specificity	The antibody detects endogenous GFAP proteins.
Purity/Purification	Affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	Liquid; PBS, pH 7.4, Containing 0.02% Sodium Azide As Preservative and 50% Glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	431
Applicable Applications for anti-GFAP antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Application Notes	WB: 1:2000-1:5000 IF: 1:100-1:200 IHC-P: 1:50-1:300
Immunogen	Synthetic Peptide
Preparation and Storage	Stable for one year at -20 degree C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Fig.6. Immunofluorescence analysis of rat brain tissue. 1, GFAP Monoclonal Antibody (red) was diluted at 1:200 (4 degree C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



IF (Immunofluorescence)

Fig.5. Immunofluorescence analysis of mouse brain tissue. 1, GFAP Monoclonal Antibody (red) was diluted at 1:200 (4 degree C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



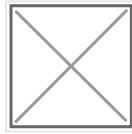
IHC (Immunohistochemistry)

Fig.4. Immunohistochemical analysis of paraffin-embedded rat heart tissue. 1, GFAP Monoclonal Antibody was diluted at 1:200 (4 degree C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 degree C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



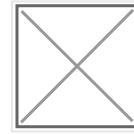
IHC (Immunohistochemistry)

Fig.3. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue. 1, GFAP Monoclonal Antibody was diluted at 1:200 (4 degree C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 degree C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)

Fig.2. Immunohistochemical analysis of paraffin-embedded human liver tissue. 1, GFAP Monoclonal Antibody was diluted at 1:200 (4 degree C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 degree C, 20min). 3, secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.



WB (Western Blot)

Fig.1. Western blot analysis of rat brain tissue, diluted at 1:5000.

ADDITIONAL INFORMATION

Related Product Information for anti-GFAP antibody

GFAP encodes glial fibrillary acidic protein, 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 GFAP cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

NCBI AND UNIPROT INFORMATION

NCBI GI #	196115290
NCBI GeneID	2670
NCBI Accession #	NP_001124491.1
NCBI GenBank Nucleotide #	NP_001124491.1
UniProt Accession #	P14136
Molecular Weight	45 KD
NCBI Official Full Name	glial fibrillary acidic protein isoform 2
NCBI Official Synonym Full Names	glial fibrillary acidic protein
NCBI Official Symbol	GFAP
NCBI Official Synonym Symbols	ALXDRD
NCBI Protein Information	glial fibrillary acidic protein
UniProt Protein Name	Glial fibrillary acidic protein
UniProt Gene Name	GFAP
UniProt Synonym Gene Names	GFAP
UniProt Entry Name	GFAP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/gfap-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/31476>