

Rabbit anti-Human, Rat GFAP Monoclonal Antibody | anti-GFAP antibody

Anti-GFAP Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46905	Rabbit	Human, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

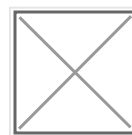
Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	431
Applicable Applications for anti-GFAP antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence)
Immunogen	A synthesized peptide derived from human GFAP
Subcellular Localization	Cytoplasm. Associated with intermediate filaments.
Tissue Specificity	Expressed in cells lacking fibronectin.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Western blot analysis of GFAP expression in Rat brain lysate (AAA46905). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GFAP monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GFAP



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human glioma, using GFAP Antibody (AAA46905). GFAP was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-GFAP Antibody (AAA46905) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-GFAP antibody	GFAP, a class-III intermediate filament, is a cell- specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.
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Product Categories/Family for anti-GFAP antibody	Neuroscience; cell adhesion proteins; cytoskeletal proteins; Intermediate Filaments; Neuroscience; Cell Type Marker; glia marker; Astrocyte marker; Signal Transduction; Cytoskeleton/ECM; Cytoskeleton; class ii; gfap; Tags & Cell Markers; Cell Type Markers
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NCBI AND UNIPROT INFORMATION

NCBI GI #	196115290
NCBI GeneID	2670
NCBI Accession #	NP_001124491.1
NCBI GenBank Nucleotide #	NM_001131019.2
UniProt Accession #	P14136; Q53H98; Q5D055; Q6ZQS3; Q7Z5J6; Q7Z5J7; Q96KS4; Q96P18; Q9UFD0; B2RD44; D3DX59; E9PAX3
Molecular Weight	49880 MW
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

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.

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 Online datasheet: <https://stage.aaabiotech.com/monoclonal/gfap-antibody-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-elisa/46905>