Rabbit GFAP Polyclonal Antibody | anti-GFAP antibody

GFAP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322223	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

GFAP; Polyclonal Antibody; GFAP Antibody; wu:fb34h11; ALXDRD; cb345; etID36982.3; FLJ42474; FLJ45472; GFAP_HUMAN; gfapl; Glial fibrillary acidic protein; Intermediate filament protein; wu:fk42c12; xx:af506734; zgc:110485; anti-GFAP antibody

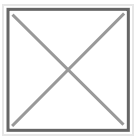
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GFAP antibody detects endogenous levels of total GFAP
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	431
Applicable Applications for anti-GFAP antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GFAP
Subcellular Location	Cytoplasm. Associated with intermediate filaments.
Tissue Specificity	Expressed in cells lacking fibronectin.
Predicted Cross Reactivity	**Bovine, Horse**
Similarity	Bovine (100%), Horse (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

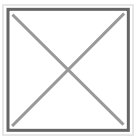
IMAGES

WB (Western Blot)
Western blot analysis of GFAP expression in COLO205 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

IHC (Immunohistochemisry)
AAA322223 at 1/100 staining mouse cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohiostchemistry)
AAA322223 at 1/100 dilution staining GFAP in human brain by Immunohistochemistry using paraffin-embedded tissue.



IF (Immunofluorescence)
AAA322223 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GFAP antibody	Description: 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. An additional transcript variant has been described, but its full length sequence has not been determined. Function: 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. Subunit Structure: Interacts with SYNM (By similarity). Isoform 3 interacts with PSEN1 (via N-terminus). Post-translational Modifications: Phosphorylated by PKN1. Similarity: Belongs to the intermediate filament family.

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	Observed: 50 kDa Predicted: 50 kDa
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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