

Mouse anti-Human GFAP Monoclonal Antibody | anti-GFAP antibody

GFAP (Astrocyte & Neural Stem Cell Marker) Mouse Monoclonal Antibody [Clone GFAP/4450]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215678	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence

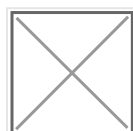
PRODUCT SYNONYMS

GFAP; Monoclonal Antibody; GFAP (Astrocyte & Neural Stem Cell Marker) Mouse Monoclonal Antibody [Clone GFAP/4450]; GFAP (Astrocyte & Neural Stem Cell Marker); Astrocyte or Intermediate Filament Protein; Glial Fibrillary Acidic Protein (GFAP); anti-GFAP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	GFAP/4450
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-GFAP antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence)
Immunogen	Recombinant full-length human GFAP protein
Cellular Localization	Cytoplasm
Positive Control	Human brain or astrocytoma.
Hu-chromosome Location	17q21.31
Unigene	514227
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human cerebellum stained with GFAP Mouse Monoclonal Antibody (GFAP/4450).

ADDITIONAL INFORMATION

Related Product Information for anti-GFAP antibody	This MAb recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. GFAP is a very popular marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system. Antibody to GFAP is useful in differentiating primary gliomas from metastatic lesions in the brain and for documenting astrocytic differentiation in tumors outside the CNS.
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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
Molecular Weight	49,880 Da
NCBI Official Full Name	glial fibrillary acidic protein isoform 2
NCBI Official Synonym Full Names	glial fibrillary acidic protein
NCBI Official Symbol	GFAP
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gfap-antibody-clone-gfap-4450-immunohistochemistry-western-blot-immunofluorescence-elisa/215678>