

Mouse GFAP Monoclonal Antibody | anti-GFAP antibody

GFAP (Astrocyte & Neural Stem Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62770	Mouse	Human, Mouse, Rat, Cow, Pig, Rabbit, Chicken	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

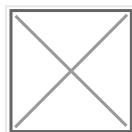
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

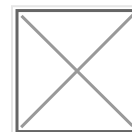
Host	Mouse
Reactivity	Human, Mouse, Rat, Cow, Pig, Rabbit, Chicken
Clonality	Monoclonal
Isotype	IgG1
Clone Number	ASTRO/789
Specificity	This MAb recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. 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.
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.
Sequence Length	431
Applicable Applications for anti-GFAP antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cytoplasmic
Immunogen	Recombinant GFAP protein
Hu-Chromosome Location	17q21.31
Positive Control	Brain or Astrocytoma
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 Rat Cerebellum stained with GFAP Monoclonal Antibody (ASTRO/789).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Cerebellum stained with GFAP Monoclonal Antibody (ASTRO/789).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Schwannoma stained with GFAP Monoclonal Antibody (ASTRO/789).

ADDITIONAL INFORMATION

References	McLendon, R.E. and Bigner, D.D. 1994. Immunohistochemistry of the glial fibrillary acidic protein: basic and applied considerations. Brain Pathol. 4: 221-228. Eng, L.F. and Ghirnikar, R.S. 1994. GFAP and astrogliosis. Brain Pathol. 4: 229-237.
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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	~50kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gfap-antibody-clone-astro-789-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62770>