Mouse GFAP Monoclonal Antibody | anti-GFAP antibody

GFAP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA102967	**Mouse**	**Human, Mouse, Rat**	**Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

GFAP; Monoclonal Antibody; GFAP Antibody; Glial fibrillary acidic protein; Intermediate filament protein; Astrocyte; gfapl; DKFZp459C0729; MGC139638; FLJ45472; AI836096; GFAP antibody; anti-GFAP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	S206A-8
Specificity	Detects ~50kDa. Cross-reacts with GFAP-R416W and other GFAP mutant proteins.
Purity/Purification	Protein G purified
Form/Format	PBS pH 7.4, 50% glycerol, 0.1% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	431
Applicable Applications for anti-GFAP antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic peptide amino acids 411-422 (KTVEMRDGEVIK) of human GFAP; 100% identical in rat and mouse.
Cellular Localization	Cytoplasm
Research Areas	Neuroscience, Cell Markers, Gilal Markers, Astrocyte Markers
Preparation and Storage	Ships on blue ice. Store at -20°C; 1 year+. Avoid freeze/thaw cycles.

IMAGES

WB (Western Blot)
Western Blot analysis of Rat Brain Membrane showing detection of GFAP protein using Mouse Anti-GFAP Monoclonal Antibody, Clone S206A-8. Primary Antibody: Mouse Anti-GFAP Monoclonal Antibody at 1:250.

ADDITIONAL INFORMATION

Related Product Information for anti-GFAP antibody	The 50 kDa type III intermediate filament protein glial fibrillary acidic protein (GFAP) is a major structural component of astrocytes. GFAP associates with the calcium binding protein annexin II-p2 and S-100. Association with these proteins together with phosphorylation regulates GFAP polymerization. Astroycytes respond to brain injury by proliferatin (astrogliosis), and one of the first events to occur during astrocyte proiliferation is increased GFAP expression. Interestingly, antibodies to GFAP have been detected in individuals with dementia.
Product Categories/Family for anti-GFAP antibody	Neuroscience
References	1. Velasco M.E., et al. (1980) Cancer. 45:484. 2. Bonnin J.M., et al. (1984) Acta Neuropathology. 62:185. 3. Lee VM-Y., et al. (1984) J. Neurochem. 42:25-32 (1984). 4. Trojanowski JQ et al. (1986) J. Neurochem. 6(3): 650-660 (1986). 5. Schmidt ML et al; Lab Invest 56:282-294 (1987). 6. Kosik KS et al; Neuron 1:817-825 (1988). 7. Schmidt ML et al; Lab Invest 59:460-466 (1988). 8. Mokuna, K, et al: J Neurosci Res 23:396 (1989). 9. Molenaar, et al; Exp Neurology 108:1-9 (1990). 10. Tohyama T et al; Am J Pathol, 142:871-882 (1993). 11. Tohyama T et al; Am J Pathol 142:883-892 (1993). 12. Thilenius, A.R.B., et al; J. Immunol. 162(2): 643-650 (1999).

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
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-s206a-8-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/102967