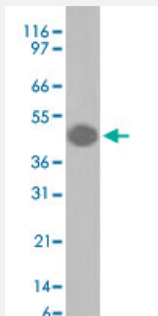


GFAP monoclonal antibody, clone GA5

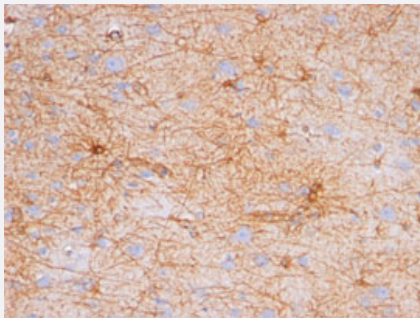
Catalog # MAB11287 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of human brain using GFAP monoclonal antibody, clone GA5 (Cat # MAB11287) at 1 ug/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain with GFAP monoclonal antibody, clone GA5 (Cat # MAB11287) at 1:200 using peroxidase-conjugate and DAB chromogen.

Specification

Product Description	Mouse monoclonal antibody raised against GFAP.
Immunogen	GFAP isolated from pig spinal cord.
Host	Mouse
Theoretical MW (kDa)	~50
Reactivity	Human, Mouse, Rat

Specificity	This MAb recognizes a protein of ~50 kDa 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	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes) Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — GFAP

Entrez GeneID	2670
Protein Accession#	NP_001124491; P14136
Gene Name	GFAP
Gene Alias	FLJ45472
Gene Description	glial fibrillary acidic protein

Omim ID [137780 203450](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]

Other Designations -

Publication Reference

- [IL-13-Mediated Regulation of Learning and Memory.](#)

Brombacher TM, Nono JK, De Gouveia KS, Makena N, Darby M, Womersley J, Tamgue O, Brombacher F.

Journal of immunology 2017 Apr; 198(7):2681.

Application: Flow Cyt, IF, Mouse, Mouse hippocampus

Disease

- [Alzheimer disease](#)
- [Cognition](#)