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GFAP Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1460a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P14136
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6A6
Isotype	IgG1
Calculated MW	49880
Description	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.Tissue specificity: Expressed in cells lacking fibronectin.ABCAM:It is heavily, and specifically, expressed in astrocytes and certain other astroglia in the central nervous system, in satellite cells in peripheral ganglia, and in non myelinating Schwann cells in peripheral nerves.In addition many types of brain tumor, presumably derived from astrocytic cells, heavily express GFAP. GFAP is also found in the lens epithelium, Kupffer cells of the liver, in some cells in salivary tumors and has been reported in erythrocytes.
Immunogen	Purified recombinant fragment of human GFAP expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	2670
Other Names	Glial fibrillary acidic protein, GFAP, GFAP
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 ICC~~N/A E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GFAP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GFAP

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.
Cellular Location	Cytoplasm. Note=Associated with intermediate filaments
Tissue Location	Expressed in cells lacking fibronectin.

References

1. Acta Neuropathol. 2009 Jun;117(6):667-75. 2. Schizophr Res. 2009 Jul;112(1-3):54-64.

Images

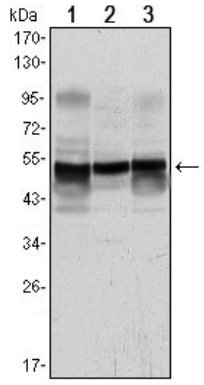

Figure 1: Western blot analysis using GFAP mouse mAb against A431 (1), SK-N-SH (2) and PC12 (3) cell lysate.

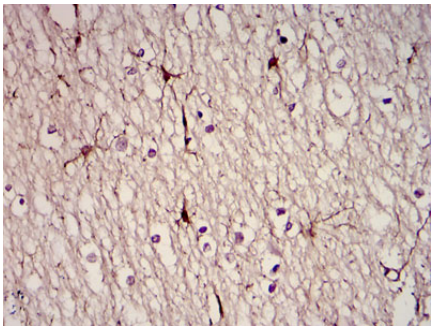

Figure 2: Immunohistochemical analysis of paraffin-embedded brain tissues using GFAP mouse mAb with DAB staining

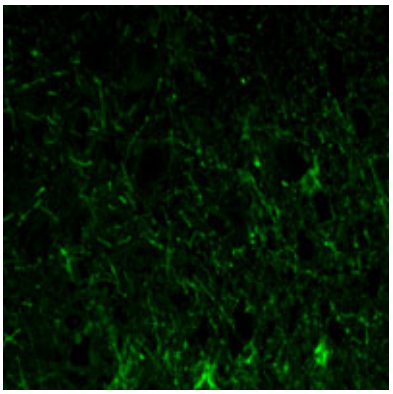

Figure 3: Immunofluorescence analysis of paraffin-embedded lobe of brain tissues using GFAP mouse mAb (green).