Product Name: **GFAP Mouse Monoclonal Antibody**
Catalog #: **AMM80896**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	50kDa

Antigen Information

Gene Name	GFAP
Alternative Names	FLJ45472; GFAP
Gene ID	2670.0
SwissProt ID	P14136
Immunogen	Purified recombinant fragment of human GFAP expressed in E. Coli.

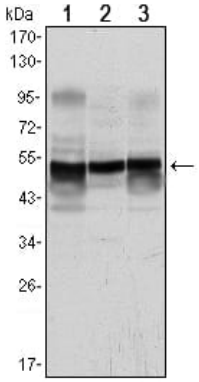
Background

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

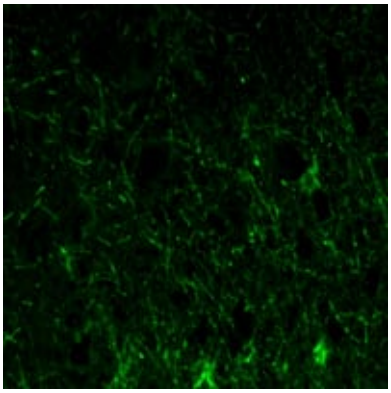
ganglia, and in non myelinating Schwann cells in peripheral nerves.In addition many types of brain tumor, presumably derived from astrocytic cells, heavily express GFAP. GFAP is also found in the lens epithelium, Kupffer cells of the liver, in some cells in salivary tumors and has been reported in erythrocytes.

Research Area

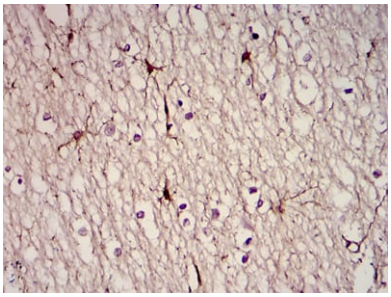
Image Data



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



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



Immunohistochemical analysis of paraffin-embedded human brain tissues using GFAP mouse mAb with DAB staining