

GFAP monoclonal antibody

Catalog: MB21378

Host: Mouse

Reactivity: Human

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.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

50kDa

Swiss-Prot:

P14136

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000

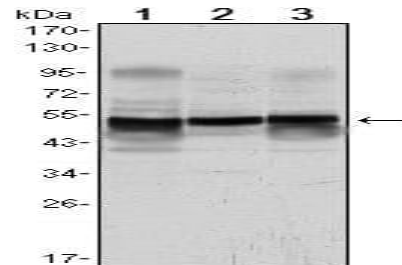
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

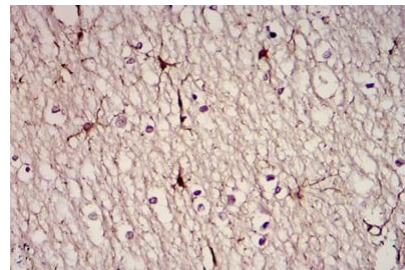
Isotype:

Mouse IgG1

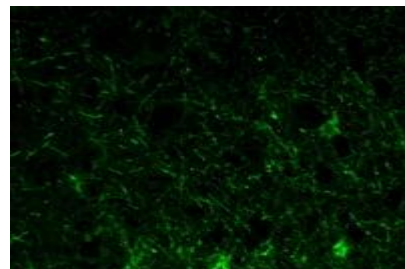
DATA:



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



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



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

Note:

For research use only, not for use in diagnostic procedure.

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