BT LAB
Bioassay Technology Laboratory
Optimize Your Research

GFAP Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4132
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human GFAP expressed in E. Coli.
Mol wt	50kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,IHC,ICC
Concentration	N/A
Full name	N/A
Synonyms	FLJ45472;GFAP

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

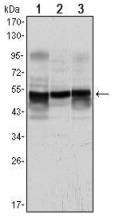
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

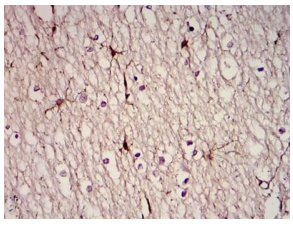
ELISA: 1:10000

Not yet tested in other applications.

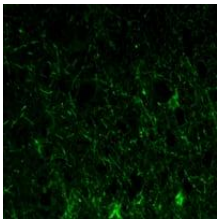
Images



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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