Anti-GFAP Mouse Monoclonal Antibody

Catalog No.	Size
E010180-01	50µl
E010180-02	100µl

Product Name	Anti-Glial Fibrillary Acid Protein Mouse Monoclonal Antibody
Product type	Primary Antibody
Application	WB IHC IF
Description	Mouse Monoclonal to Glial Fibrillary Acid Protein antibody
Immunogen	A synthetic peptide conjugated to KLH
Specificity	Human Rat

Background Information

GFAP is a member of the class III intermediate filament protein family. 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, neural stem cells frequently strongly express GFAP. Antibodies to GFAP are therefore very useful as markers of astrocytic cells. 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

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Suggested starting dilutions are as follows: Western Blot (1:1000-1:3000), Immunofluorescence and Immunocytochemistry (1:200-1:800).

Host

Mouse

Clonality

Storage Buffer

1mg/ml in PBS, pH 7.4 with 0.02% sodium azide, 50% Glycerol.

Form

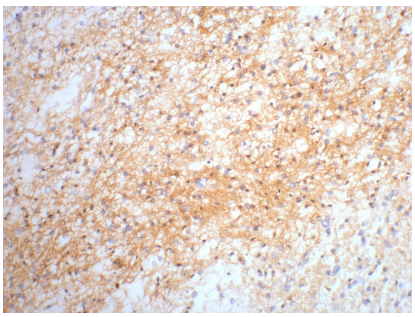
Liquid, 1mg/ml

Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images

Western blot analysis of 293 cell lysate with GFAP mouse mAb diluted at 1:1000



1:200 dilution staining GFAP by immunohistochemistry on paraffin-embedded human gliomas tissue.