

GFAP Mouse Monoclonal Antibody

Catalog No: #38014

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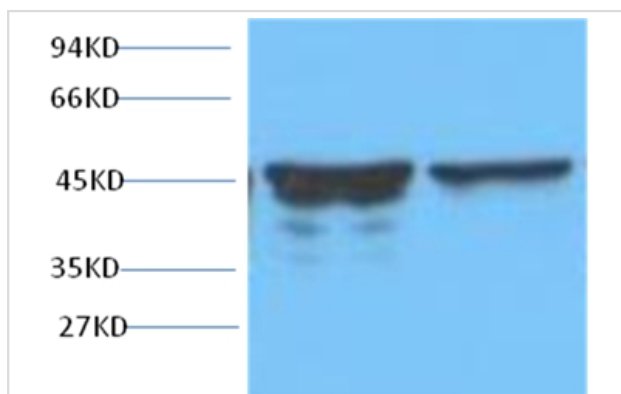
Description

Product Name	GFAP Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Purification	Affinity purification using immunogen.
Applications	WB IHC
Species Reactivity	Rt
Specificity	The GFAP Mouse Monoclonal antibody detects endogenous GFAP proteins.
Target Name	GFAP
Other Names	FLJ45472; GFAP; Glial fibrillary acidic protein
Accession No.	Swiss-Prot#:P14136
SDS-PAGE MW	45kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:2000~1:5000

Images



Western blot analysis of Rat Brain Tissue, using #38014 diluted at 1:5,000.

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.