GFAP Mouse Monoclonal Antibody (5C8)

Catalog No.: RA10329

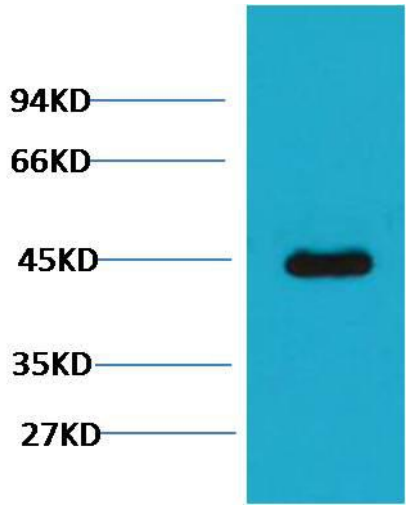
Basic Information

Information	
Reactivity	M,R
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	45KD

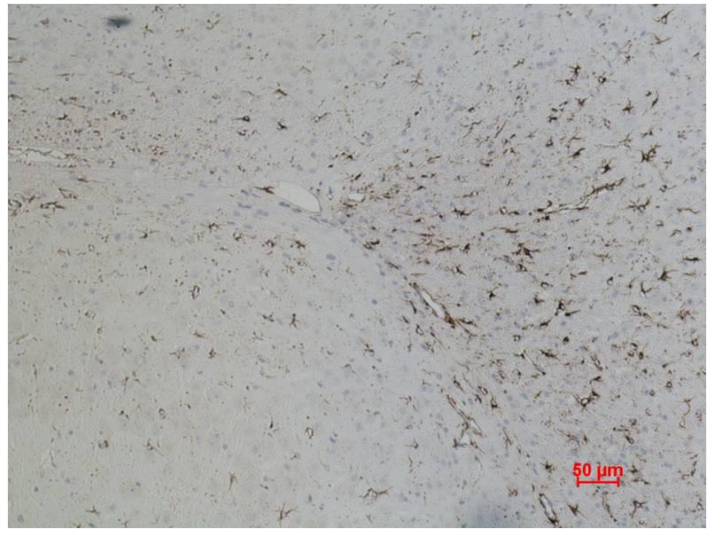
Applications	Recommended Dilution
WB	1:2,000-5,000
IHC	1:200-500

Preparation & Storage	
Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

Experimental Data



Western blot analysis of Mouse Brain Tissue with GFAP mAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using GFAP Mouse mAb diluted at 1:500.

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.