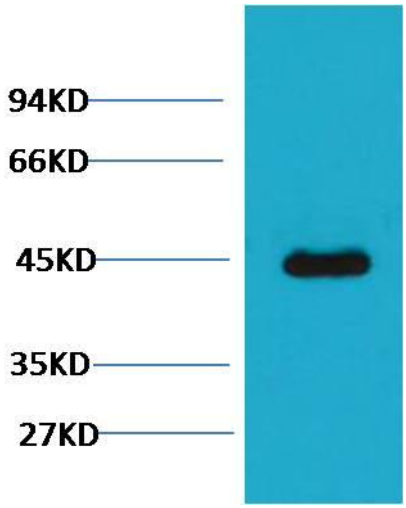
GFAP Mouse Monoclonal Antibody (5C8)

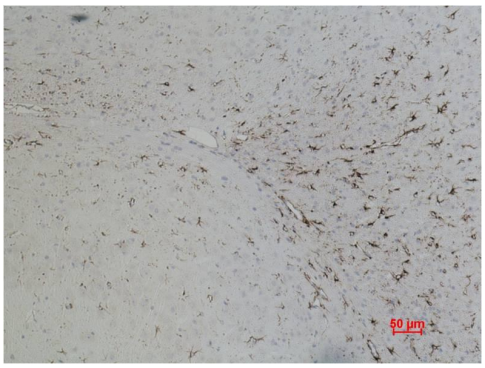
Catalog No： RA10329

Basic Information	
Host species	Mouse
Applications	WB, IHC
Species Cross-Reactivity	R, M
Specificity	The GFAP Mouse Monoclonal antibody detects endogenous GFAP proteins.
Recommended dilutions	WB: 1:2000-5,000 IHC: 1:200-500 Optimal dilutions should be determined by the end user.
Applications	
Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal
Background	
Alternative Names	
Observed band	45
Human Gene ID	2670
Human Swiss-Prot Number	P14136
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.

Selected Validation 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.