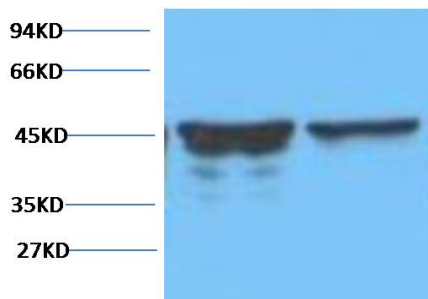


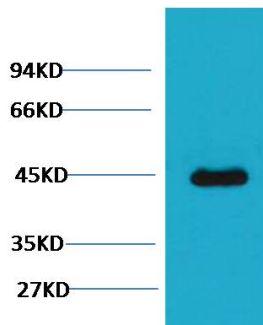


Product name:	GFAP Mouse mAb
Cat number:	ABE1059
Conjugate:	unconjugated
Size:	100 ug
Clone:	Monoclonal
Concentration:	1mg/mL
Host:	Mouse
Isotype:	IgG1
Immunogen:	Synthetic Peptide
Reactivity:	Rat, Mouse
Applications:	WB 1:2,000-5,000 IHC 1:200-500
Molecular Weight:	45kDa
Form:	liquid
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20°C. Avoid repeated freeze-thaw cycles.

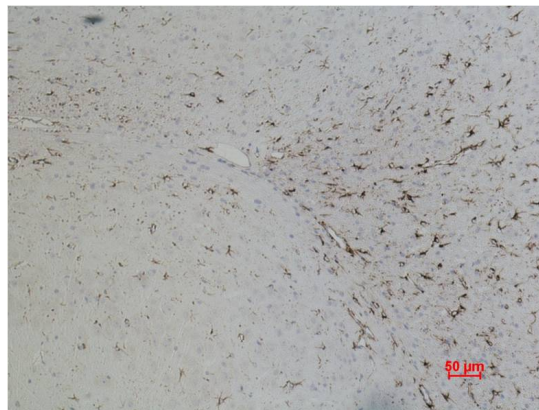
Background: GFAP is a member of the class III intermediate filament protein family. It is heavily, and specifically, expressed in astrocytes and certain other astroglia in the central nervous system, in satellite cells in peripheral ganglia, and in non myelinating Schwann cells in peripheral nerves. 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.



Western blot analysis of Rat Brain Tissue with GFAP mAb diluted at 1:5,000.



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[EM1059] Mouse mAb diluted at 1:500.