

GFAP Mouse mAb

Cat No: HR1AM2170

For research use only

Overview

Product Name	GFAP Mouse mAb
Source	Mouse
Applications	WB, IHC
Species Reactivity	Rat,Mouse
Recommended Dilutions	WB 1:2,000-5,000 IHC 1:200-500
Immunogen	
Species	Mouse
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20°C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1mg/ml
Observed band	45kDa
GeneID?Human?	2670
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	Glial Fibrillary Acidic Protein ;Intermediate Filament Protein
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.