



# ELK Biotechnology

GFAP Mouse mAb

Catalog NO.: EM1059

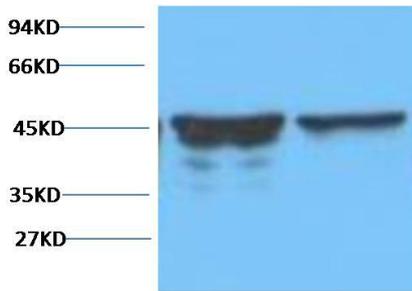
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## Overview

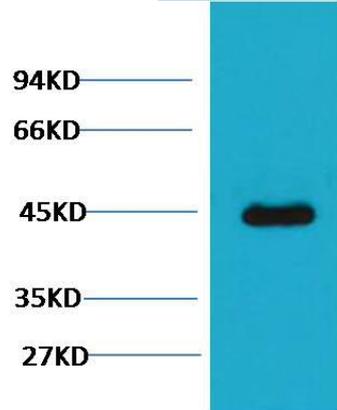
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Product name	GFAP Mouse Monoclonal antibody
Source	Mouse
Applications	<b>WB IHC</b>
Species reactivity	<b>Rat Mouse</b>
Recommended dilutions	<b>WesternBlot:1/2000-5000</b> <b>Immunohistochemistry:1/200-500</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Synthetic Peptide
Species	Human
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	1 mg/ml
Observed band	<b>45kDa</b>
GeneID (Human)	2670
Human Swiss-Prot No.	P14136
Cellular localization	Cytoplasm. Associated with intermediate filaments
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.

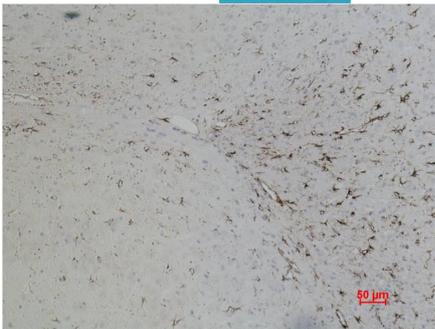
GFAP is also found in the lens epithelium Kupffer cells of the liver in some cells in salivary tumors and has been reported in erythrocytes.



Western blot analysis of Rat Brain Tissue with GFAP mAb diluted at:5000.



Western blot analysis of Mouse Brain Tissue with GFAP mAb diluted at:2000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using GFAP (EM1059) Mouse mAb diluted at:500.