

Product datasheet for **AM20624PU-N**

GFAP Mouse Monoclonal Antibody [Clone ID: GA-8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	GA-8
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 0.5 - 1 µg/ml. Immunohistochemistry on frozen sections: 0.5 - 1 µg/ml. Immunohistochemistry on paraffin sections: 0.4 - 1 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	GFAP from pig spinal cord.
Specificity:	This antibody reacts to GFAP.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glial fibrillary acidic protein
Database Link:	Entrez Gene 14580 Mouse Entrez Gene 24387 Rat Entrez Gene 2670 Human P14136



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Background:

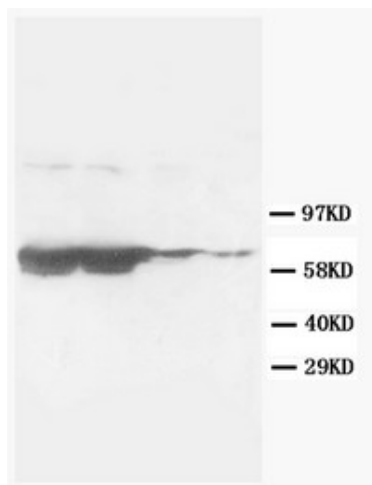
GGlial fibrillary acidic protein (GFAP) is an intermediate-filament (IF) protein that is highly specific for cells of astroglial lineage, although its tissue-specific role is speculative. GFAP has been located in rat kidney glomeruli and peritubular fibroblasts, leydig cells of testis, skin keratinocytes, osteocytes of bones, chondrocytes of epiglottis, bronchus, and stellate-shaped cells of the pancreas and liver. Its expression is essential for normal white matter architecture and blood-brain barrier integrity, and its absence leads to late-onset CNS dysmyelination. GFAP has also been shown to play a role in mitosis by adjusting the filament network present in the cell. During mitosis, there is an increase in the amount of phosphorylated GFAP, and a movement of this modified protein to the cleavage furrow.

Synonyms:

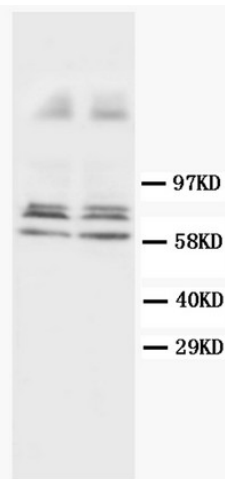
Glial Fibrillary Acidic Protein

Protein Families:

ES Cell Differentiation/IPS

Product images:


Lane 1: Rat brain tissue lysate Lane 2: Rat brain tissue lysate Lane 3: MCF7 whole cell lysate Lane 4: HeLa whole cell lysate



Lane 1: Rat brain tissue lysate Lane 2: Rat brain tissue lysate