

Product datasheet for **AP08128PU-N**

GFAP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	Immunohistochemistry. Immunocytochemistry. Suitable for Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears: 1/50-1/200 using streptavidin~biotin system or polymer system. Recommended Positive Control: Human brain or astrocytoma.
Reactivity:	Bovine, Guinea Pig, Human, Mouse, Porcine, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Purified Human GFAP.
Specificity:	This antibody stains astrocytes, glial cells, ependymal cells and their corresponding tumors. In the peripheral nervous system, it stains Schwann cells, satellite and enteric glial cells. This antibody distinguishes neoplasm of astrocytes origin from other neoplasm of CNS. Cellular Localization: Cytoplasmic.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction Stabilizer: 1% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	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.
Predicted Protein Size:	51 kDa (Antigen)



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Gene Name: glial fibrillary acidic protein

Database Link: [Entrez Gene 14580 Mouse](#)[Entrez Gene 24387 Rat](#)[Entrez Gene 2670 Human P14136](#)

Background: Glial Fibrillary acidic protein (GFAP), a 51 kDa an intermediate filament protein is closely related to non-epithelial family members, Vimentin, desmin and peripherin, which are all involved in structure and function of cell cytoskeleton. GFAP is expressed in central nervous system (CNS) in the astrocytes cells, functioning in cellular processes e.g. cell structure, movements, cell communication, brain processes and brain functions.

Synonyms: Glial Fibrillary Acidic Protein

Protein Families: ES Cell Differentiation/IPS