

Product datasheet for **AP31021PU-N**

GFAP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 1/50.
Reactivity:	Bovine, Chicken, Guinea Pig, Hamster, Human, Monkey, Mouse, Rat, Sheep
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	GFAP isolated from Cow spinal cord
Specificity:	This antibody recognizes Glial Fibrillary Acidic Protein (GFAP).
Formulation:	10mM PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction Stabilizer: 0.2% BSA Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	glial fibrillary acidic protein
Database Link:	<u>Entrez Gene 14580 Mouse</u> <u>Entrez Gene 24387 Rat</u> <u>Entrez Gene 712941 Monkey</u> <u>Entrez Gene 2670 Human</u> <u>P14136</u>



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Background:

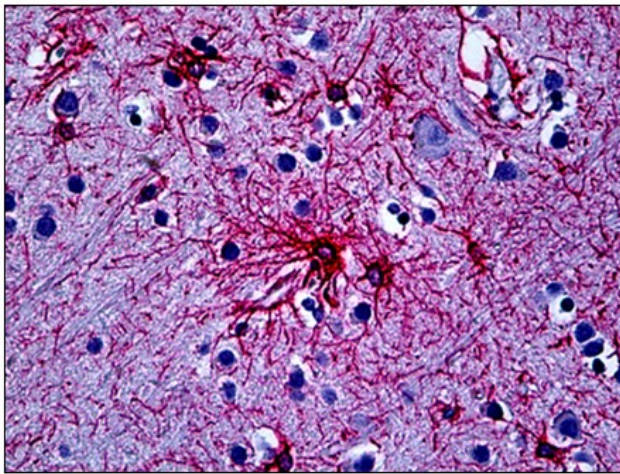
Glial fibrillary acidic protein (GFAP) is an intermediate-filament (IF) protein that is highly specific for cells of astroglial lineage, although its tissue-specific role is speculative. GFAP has been located in rat kidney glomeruli and peritubular fibroblasts, leydig cells of testis, skin keratinocytes, 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:

Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)