

Product datasheet for **BP5082**

GFAP Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunoblotting (Western): 1/2000. Cytological Material. Immunohistochemistry on Frozen Sections: 1/100 Immunohistochemistry on Paraffin-Embedded Tissue: 1/50. Incubation time: 1 h at RT, extended with Paraffin.
Reactivity:	Bovine, Human, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Gliafilament protein purified from Bovine spinal cord.
Specificity:	Specific detection of Gliafilament protein (Mr 52000 polypeptide). Tumors Specifically Detected: Astrocytomas, gangliomas, meuloblastomas, certain teratomas.
Formulation:	State: Serum State: Whole Antiserum with 0.09% Sodium Azide and 0.5% BSA
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	50 kDa (Predicted)
Gene Name:	glial fibrillary acidic protein
Database Link:	Entrez Gene 2670 Human P14136



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Background:

Glial fibrillary acidic protein (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.

Synonyms:

Glial Fibrillary Acidic Protein