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GFAP (Astrocyte & Neural Stem Cell Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM507]
Catalog # AH10480

Product Information

Application	WB, IF, FC, IHC-P
Primary Accession	P14136
Other Accession	2670, 514227
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Chicken, Bovine
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1
Clone Names	SPM507
Calculated MW	49880

Additional Information

Gene ID	2670
Other Names	Glial fibrillary acidic protein, GFAP, GFAP
Application Note	WB~~1:1000 IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A
Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	GFAP (Astrocyte & Neural Stem Cell Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GFAP
Function	GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.
Cellular Location	Cytoplasm. Note=Associated with intermediate filaments
Tissue Location	Expressed in cells lacking fibronectin.

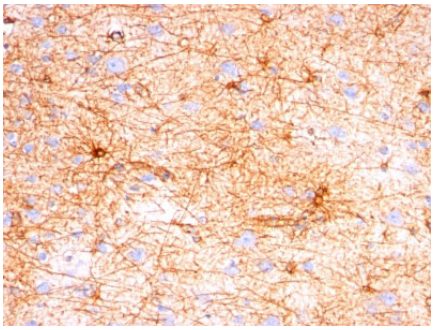
Background

This MAb recognizes a protein of ~50kDa which is identified as Glial Fibrillary Acidic Protein (GFAP). It shows no cross-reaction with other intermediate filament proteins. GFAP is specifically found in astroglia. GFAP is a very popular marker for localizing benign astrocyte and neoplastic cells of glial origin in the central nervous system. Antibody to GFAP is useful in differentiating primary gliomas from metastatic lesions in the brain and for documenting astrocytic differentiation in tumors outside the CNS.

References

Herpers MJ et. Al. 1986, Acta Neuropathol, 70:333-339. | Van Muijen GN et. al. 1987, Lab Invest, 57:359-369. | Debus E, et. al. 1983, Differentiation, 25(2):193-203

Images



Formalin-fixed, paraffin-embedded human Cerebellum stained with GFAP Monoclonal Antibody (SPM507).