

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

Mouse Monoclonal Antibody [Clone SPM507 ]  
Catalog # AH10480

## Product Information

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

## Additional Information

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<b>Gene ID</b>	2670
<b>Other Names</b>	Glial fibrillary acidic protein, GFAP, GFAP
<b>Application Note</b>	WB~~1:1000 IF~~1:50~200 FC~~1:10~50 IHC-P~~N/A
<b>Format</b>	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.
<b>Storage</b>	Store at 2 to 8°C.Antibody is stable for 24 months.
<b>Precautions</b>	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

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<b>Name</b>	GFAP
<b>Function</b>	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.
<b>Cellular Location</b>	Cytoplasm. Note=Associated with intermediate filaments
<b>Tissue Location</b>	Expressed in cells lacking fibronectin.

## Background

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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.

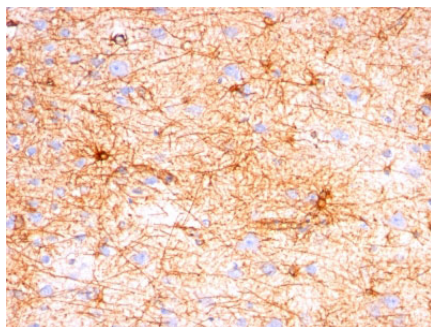
## References

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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

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.