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

Mouse Monoclonal Antibody [Clone SPM248]

Catalog # AH10478

Specification

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

Application	**WB, IHC-P, IF, FC**
Primary Accession	P14136
Other Accession	2670, 514227
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Chicken, Bovine**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1**
Calculated MW	**~50kDa KDa**

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

Gene ID 2670

Other Names
Glial fibrillary acidic protein, GFAP, GFAP

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.

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

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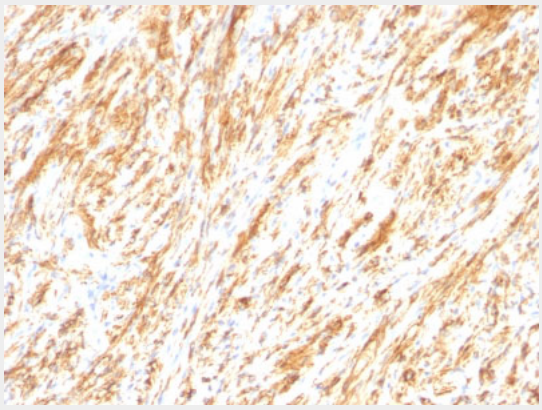
Tissue Location
Expressed in cells lacking fibronectin.

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

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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



Formalin-fixed, paraffin-embedded human Schwanoma stained with GFAP Monoclonal Antibody (SPM248).

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

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