

GFAP (Astrocyte & Neural Stem Cell Marker) Antibody - With BSA and Azide
Mouse Monoclonal Antibody [Clone ASTRO/789]
Catalog # AH11290

Specification

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

Application	WB, IHC, 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

Application Note

WB~~1:1000
IHC~~1:100~500
IF~~1:50~200
FC~~1:10~50

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

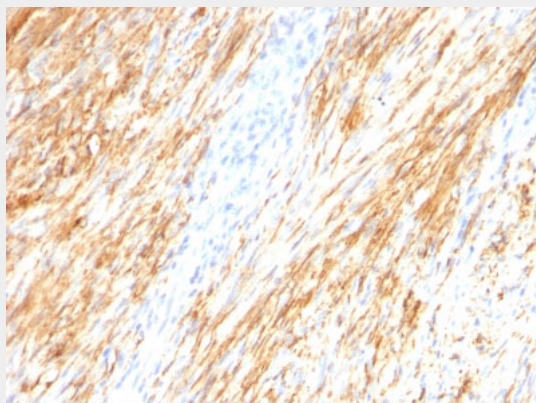
Tissue Location

Expressed in cells lacking fibronectin.

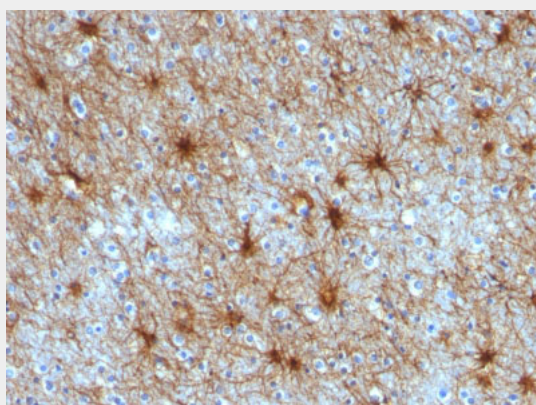
GFAP (Astrocyte & Neural Stem Cell Marker) Antibody - With BSA and Azide - Protocols

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

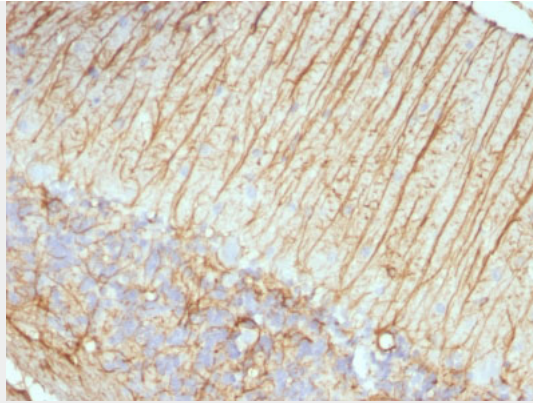
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

Formalin-fixed, paraffin-embedded human Schwannoma stained with GFAP Monoclonal Antibody (ASTRO/789).



Formalin-fixed, paraffin-embedded human Cerebellum stained with GFAP Monoclonal Antibody (ASTRO/789).



Formalin-fixed, paraffin-embedded Rat Cerebellum stained with GFAP Monoclonal Antibody (ASTRO/789).

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

McLendon, R.E. and Bigner, D.D. 1994. Immunohistochemistry of the glial fibrillary acidic protein: basic and applied considerations. *Brain Pathol.* 4: 221-228. | Eng, L.F. and Ghirnikar, R.S. 1994. GFAP and astrogliosis. *Brain Pathol.* 4: 229-237. |