

**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	<a href="#">P14136</a>
Other Accession	<a href="#">2670</a> , <a href="#">514227</a>
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

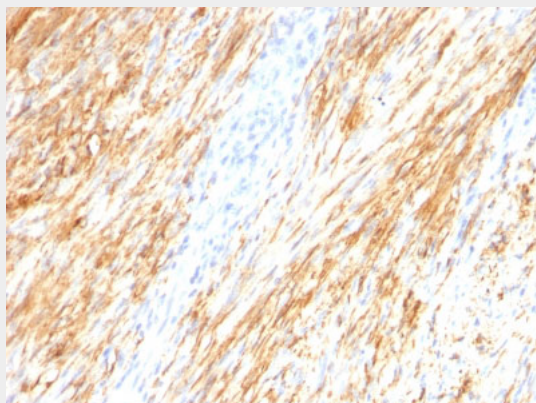
**Tissue Location**

Expressed in cells lacking fibronectin.

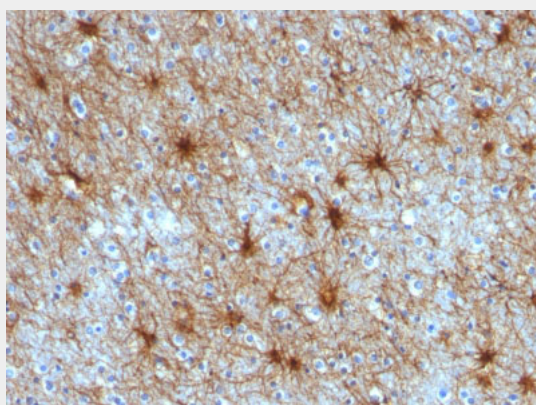
**GFAP (Astrocyte & Neural Stem Cell Marker) Antibody - With BSA and Azide - Protocols**

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

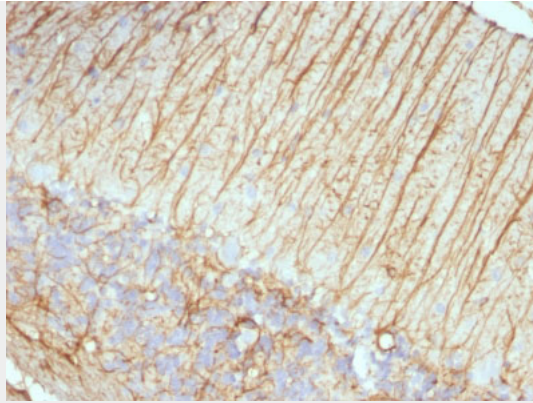
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**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. |