10320 Camino Santa Fe, Suite G
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# GFAP Antibody
**Purified Mouse Monoclonal Antibody**
**Catalog # AO1460a**

## Specification

### GFAP Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC, ICC, E** |
| Primary Accession | P14136 |
| Reactivity | **Human** |
| Host | **Mouse** |
| Clonality | **Monoclonal** |
| Isotype | **IgG1** |
| Calculated MW | **50kDa KDa** |

**Description**
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.Tissue specificity: Expressed in cells lacking fibronectin.ABCAM:It is heavily, and specifically, expressed in astrocytes and certain other astroglia in the central nervous system, in satellite cells in peripheral ganglia, and in non myelinating Schwann cells in peripheral nerves.In addition many types of brain tumor, presumably derived from astrocytic cells, heavily express GFAP. GFAP is also found in the lens epithelium, Kupffer cells of the liver, in some cells in salivary tumors and has been reported in erythrocytes.

**Immunogen**
Purified recombinant fragment of human GFAP expressed in E. Coli.

**Formulation**
Ascitic fluid containing 0.03% sodium azide.

### GFAP Antibody - Additional Information

**Gene ID** 2670

**Other Names**
Glial fibrillary acidic protein, GFAP, GFAP

**Dilution**
WB~~1/500 - 1/2000
IHC~~1/200 - 1/1000
ICC~~N/A
E~~N/A

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
GFAP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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## GFAP Antibody - 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 Antibody - 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 Antibody - Images

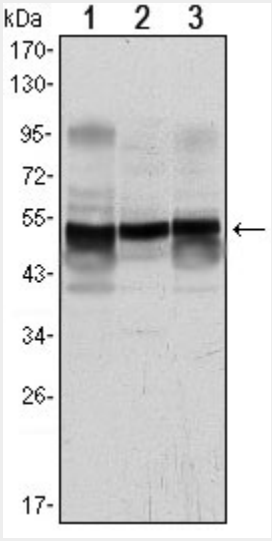


Figure 1: Western blot analysis using GFAP mouse mAb against A431 (1), SK-N-SH (2) and PC12 (3) cell lysate.

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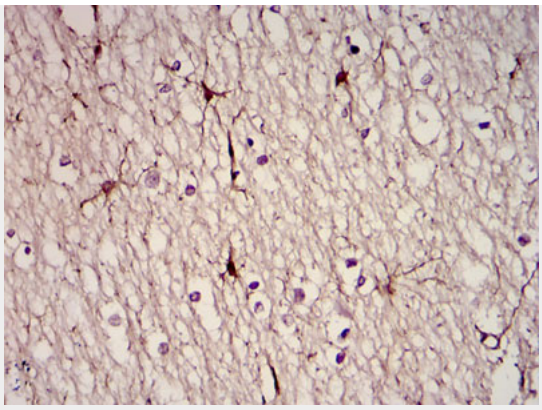

Figure 2: Immunohistochemical analysis of paraffin-embedded brain tissues using GFAP mouse mAb with DAB staining

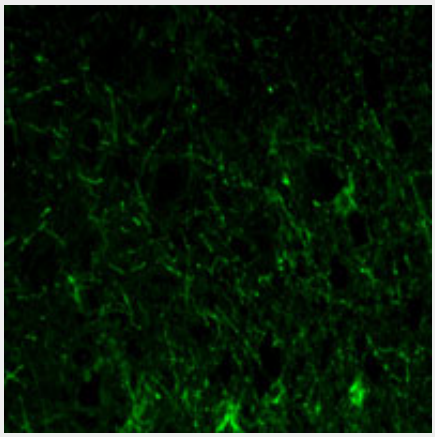

Figure 3: Immunofluorescence analysis of paraffin-embedded lobe of brain tissues using GFAP mouse mAb (green).

**GFAP Antibody - References**

1. Acta Neuropathol. 2009 Jun;117(6):667-75. 2. Schizophr Res. 2009 Jul;112(1-3):54-64.