

**GFAP Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2017a**

**Specification**

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**GFAP Antibody (N-term) - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | <b>WB,E</b>               |
| Primary Accession | <a href="#">P14136</a>    |
| Other Accession   | <a href="#">NP_002046</a> |
| Reactivity        | <b>Human</b>              |
| Host              | <b>Rabbit</b>             |
| Clonality         | <b>Polyclonal</b>         |
| Isotype           | <b>Rabbit IgG</b>         |
| Antigen Region    | <b>10-40</b>              |

**GFAP Antibody (N-term) - Additional Information**

**Gene ID** 2670

**Other Names**

Glial fibrillary acidic protein, GFAP, GFAP

**Target/Specificity**

This GFAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-40 amino acids from the N-terminal region of human GFAP.

**Dilution**

WB~~1:8000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

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

**Precautions**

GFAP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GFAP Antibody (N-term) - 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

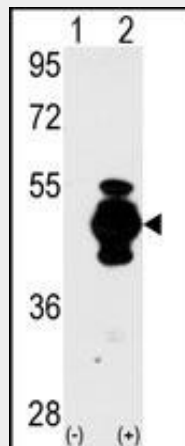
Expressed in cells lacking fibronectin.

### GFAP Antibody (N-term) - Protocols

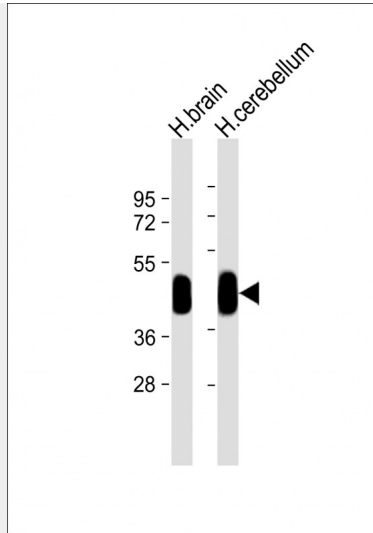
Provided below are standard protocols that you may find useful for product applications.

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

### GFAP Antibody (N-term) - Images



Western blot analysis of GFAP (arrow) using GFAP Antibody (N-term) (Cat.#AP2017a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the GFAP gene (Lane 2) (Origene Technologies).



All lanes : Anti-GFAP Antibody (M1) at 1:8000 dilution Lane 1: human brain lysate Lane 2: human cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

#### **GFAP Antibody (N-term) - Background**

GFAP is one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system.

#### **GFAP Antibody (N-term) - References**

- Quintanar, J.L., et al., Parasitol. Res. 90(4):261-263 (2003).
- Shiroma, N., et al., Brain Dev. 25(2):116-121 (2003).
- Nielsen, A.L., et al., J. Biol. Chem. 277(33):29983-29991 (2002).
- Namekawa, M., et al., Ann. Neurol. 52(6):779-785 (2002).
- Lopez-Egido, J., et al., Exp. Cell Res. 278(2):175-183 (2002).