

**GFAP Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2017b****Specification**

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

Application	WB,E
Primary Accession	<a href="#">P14136</a>
Other Accession	<a href="#">P47819</a> , <a href="#">P03995</a> , <a href="#">Q28115</a> , <a href="#">NP_002046</a>
Reactivity	Human, Mouse
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49880
Antigen Region	381-410

**GFAP Antibody (C-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 381-410 amino acids from the C-terminal region of human GFAP.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GFAP Antibody (C-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**

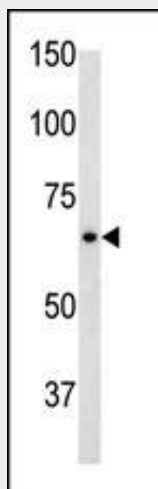
Expressed in cells lacking fibronectin.

**GFAP Antibody (C-term) - Protocols**

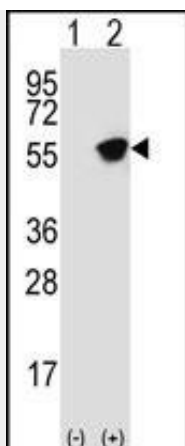
Provided below are standard protocols that you may find useful for product applications.

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

**GFAP Antibody (C-term) - Images**



The anti-GFAP C-term Pab (Cat. #AP2017b) is used in Western blot to detect GFAP in mouse brain tissue lysate.



Western blot analysis of GFAP (arrow) using rabbit polyclonal GFAP Antibody (T396) (Cat. #AP2017b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GFAP gene.

#### **GFAP Antibody (C-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 (C-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).