

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

GFAP Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P14136
Other Accession	P47819 , P03995 , Q28115 , NP_002046
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

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

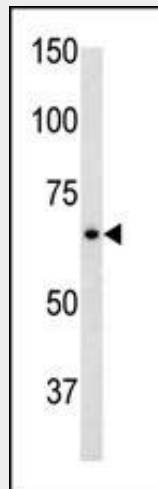
Tissue Location

Expressed in cells lacking fibronectin.

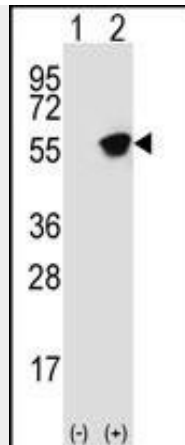
GFAP Antibody (C-term) - Protocols

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).