10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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
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

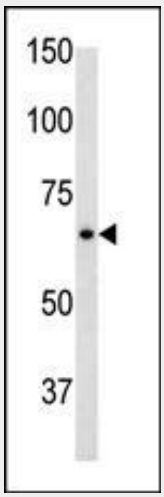
Tissue Location
Expressed in cells lacking fibronectin.

GFAP Antibody (C-term) - Protocols

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

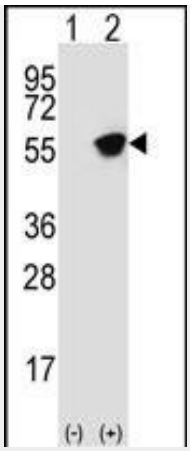
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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).