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GFAP Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2017a

Specification

GFAP Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P14136
Other Accession	NP_002046
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Antigen Region	**10-40**

GFAP Antibody (N-term) - Additional Information

Gene ID 2670

Other Names
Glial fibrillary acidic protein, GFAP, GFAP

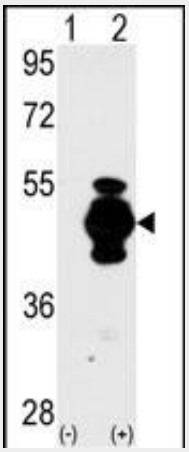
Target/Specificity
This GFAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-40 amino acids from the N-terminal region of human GFAP.

Dilution
WB~~1:8000

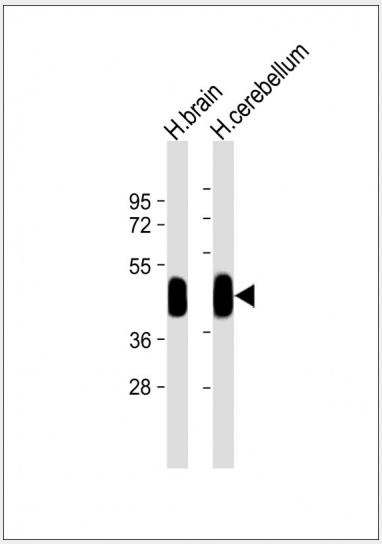
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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.



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% NFDM/TBST.

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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 Cytomety
- Cell Culture

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

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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).