

GFAP Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2017a

Product Information

Application	WB, E
Primary Accession	P14136
Other Accession	NP_002046
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2895
Antigen Region	10-40

Additional Information

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~~1:1000 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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

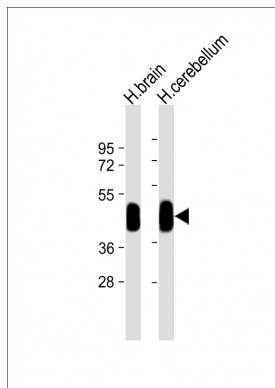
Background

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.

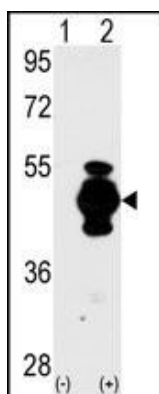
References

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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).

Images



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% NFDN/TBST.



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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.