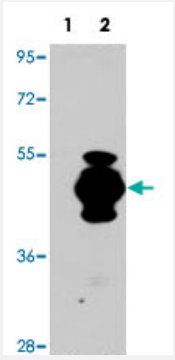
GFAP polyclonal antibody

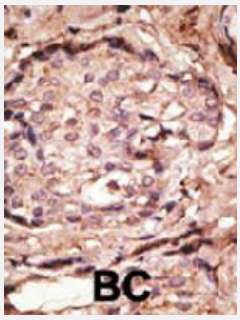
Catalog # PAB3851 Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of GFAP (arrow) using GFAP polyclonal antibody (Cat # PAB3851).
293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the GFAP gene (Lane 2).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with GFAP polyclonal antibody (Cat # PAB3851) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GFAP.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human GFAP.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — GFAP

Entrez GeneID	2670
Protein Accession#	NP_002046
Gene Name	GFAP
Gene Alias	FLJ45472
Gene Description	glial fibrillary acidic protein
Omim ID	137780 203450
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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 g ene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alterna tive splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq
Other Designations	-

Publication Reference

- Molecular genetic study in Japanese patients with Alexander disease: a novel mutation, R79L.

  Shiroma N, Kanazawa N, Kato Z, Shimozawa N, Imamura A, Ito M, Ohtani K, Oka A, Wakabayashi K, Iai M, Sugai K, Sasaki M, Kaga M, Ohta T, Tsujino S.

  Brain & Development 2003 Mar; 25(2):116.

- Detection of glial fibrillary acidic protein and neurofilaments in the cerebrospinal fluid of patients with neurocysticercosis.

  Quintanar JL, Franco LM, Salinas E.

  Parasitology Research 2003 Jul; 90(4):261.

  Application: WB, Human, Cerebrospinal fluid of patients with neurocysticercosis

- A new splice variant of glial fibrillary acidic protein, GFAP epsilon, interacts with the presenilin proteins.

  Nielsen AL, Holm IE, Johansen M, Bonven B, Jorgensen P, Jorgensen AL.

  The Journal of Biological Chemistry 2002 Aug; 277(33):29983.

  Application: IF, WB-Tr, Human, HEK 293, SVG(P12) cells

Disease

- Alzheimer disease
- Cognition