

Rabbit anti-Human GFAP Polyclonal Antibody | anti-GFAP antibody

Anti-GFAP Antibody, Rabbit Polyclonal

CATALOG # AAA254149	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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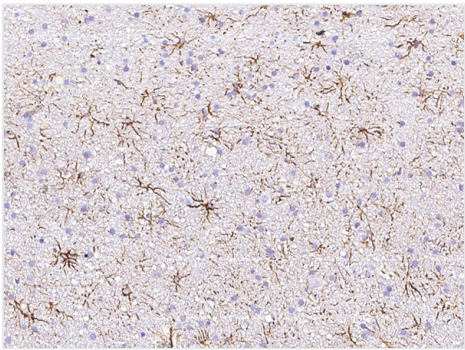
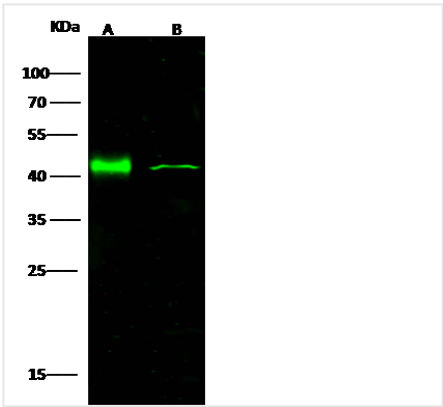
PRODUCT SYNONYMS

GFAP; Polyclonal Antibody; Anti-GFAP Antibody; Rabbit Polyclonal; GFAP Antibody; Rabbit PAb; Antigen Affinity Purified; glial fibrillary acidic protein; Anti-ALXDRD Antibody; anti-GFAP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GFAP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GFAP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the human GFAP
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with A synthetic peptide corresponding to the center region of the human GFAP, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human GFAP in human brain with rabbit polyclonal antibody (1:25000, formalin-fixed paraffin embedded sections).

WB (Western Blot)
Anti-GFAP rabbit polyclonal antibody at 1:500 dilution
Lane A: Mouse brain Tissue Lysate
Lane B: Rat brain Tissue Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.
Developed using the Odyssey technique.
Performed under reducing conditions.
Predicted band size: 50 kDa
Observed band size: 42 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-GFAP antibody	GFAP is a cell-specific marker which belongs to the intermediate filament family. It can distinguish astrocytes from other glial cells during development. GFAP is expressed in cells lacking fibronectin. It is a type III intermediate filaments protein which contains three domains: the head, rod and tail domains. GFAP functions in many important entral nervous system (CNS) processes, including cell communication and the functioning of the blood brain barrier. Improper GFAP regulation can cause multiple disorders. Defects in GFAP is related to Alexander disease which is a rare disorder of the central nervous system. It is a progressive leukoencephalopathy whose hallmark is the widespread accumulation of Rosenthal fibers which are cytoplasmic inclusions in astrocytes.
Product Categories/Family for anti-GFAP antibody	Neuroinflammation
References	Buniatian G, et al., 1998, Biology of the cell. 90(1): 53-61.Chen YS, et al., 2011, Experimental Cell Research. 317(16): 2252-66.Isaacs A, et al., 1998, Genomics. 51(1): 152-4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	196115290
NCBI GeneID	2670
NCBI Accession #	NP_001124491.1
NCBI GenBank Nucleotide #	NM_001131019.2
UniProt Accession #	P14136; Q53H98; Q5D055; Q6ZQS3; Q7Z5J6; Q7Z5J7; Q96KS4; Q96P18; Q9UFD0; B2RD44; D3DX59
Molecular Weight	49,880 Da
NCBI Official Full Name	glial fibrillary acidic protein isoform 2
NCBI Official Synonym Full Names	glial fibrillary acidic protein
NCBI Official Symbol	GFAP
NCBI Protein Information	glial fibrillary acidic protein
UniProt Protein Name	Glial fibrillary acidic protein
UniProt Gene Name	GFAP
UniProt Synonym Gene Names	GFAP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gfap-antibody-immunohistochemistry-western-blot-elisa/254149>