

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

Anti-GFAP Antibody, Rabbit Polyclonal

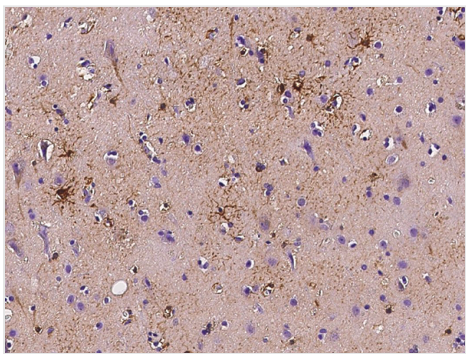
CATALOG # AAA257652	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	----------------------------	---

PRODUCT SYNONYMS

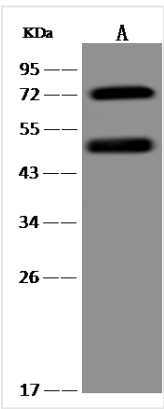
GFAP; Polyclonal Antibody; Anti-GFAP Antibody; Rabbit Polyclonal; GFAP Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-ALXDRD Antibody; glial fibrillary acidic protein; anti-GFAP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GFAP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-GFAP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human GFAP fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human GFAP fragment, 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. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IHC (Immunohistochemistry)
Immunochemical staining of human GFAP in human brain with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)
Anti-GFAP rabbit polyclonal antibody at 1:500 dilution Lane A: Mouse brain tissue lysate Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 50 kDa Observed band size: 45 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-GFAP antibody	Background: 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.

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.