



[Go to Product page](#)

Datasheet for ABIN969173

anti-GFAP antibody

3 Images

2 Publications

Overview

Quantity:	100 µL
Target:	GFAP
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human GFAP expressed in E. coli.
Clone:	6A6
Isotype:	IgG1
Purification:	purified

Target Details

Target:	GFAP
Alternative Name:	GFAP (GFAP Products)
Background:	Description: 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. Tissue specificity: Expressed in cells lacking fibronectin. ABCAM: It is heavily, and specifically, expressed in astrocytes and certain other astroglia in the central nervous system, in satellite cells in peripheral ganglia, and in non myelinating Schwann cells in peripheral nerves. In

Target Details

addition many types of brain tumor, presumably derived from astrocytic cells, heavily express GFAP. GFAP is also found in the lens epithelium, Kupffer cells of the liver, in some cells in salivary tumors and has been reported in erythrocytes.

Aliases: FLJ45472, GFAP

Molecular Weight: 50 kDa

Gene ID: 2670

HGNC: 2670

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

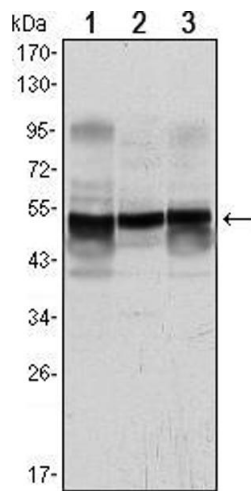
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

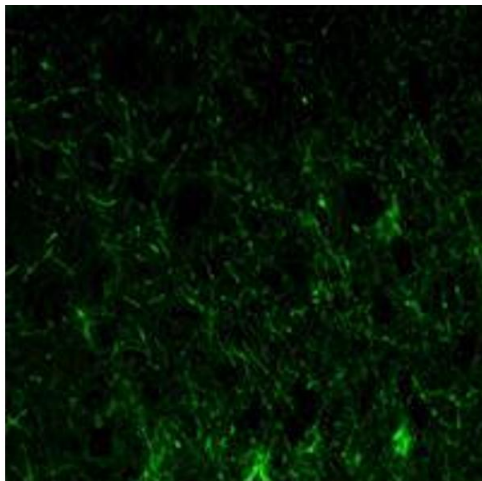
Product cited in: Durkin, Guo, Fryrear, Mihaylova, Gupta, Belgnaoui, Haoudi, Kupfer, Semmes: "HTLV-1 Tax oncoprotein subverts the cellular DNA damage response via binding to DNA-dependent protein kinase." in: **The Journal of biological chemistry**, Vol. 283, Issue 52, pp. 36311-20, (2008) ([PubMed](#)).

Huston, Lynch, Mohamed, Collins, Hill, MacLeod, Krause, Baillie, Houslay: "EPAC and PKA allow cAMP dual control over DNA-PK nuclear translocation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 35, pp. 12791-6, (2008) ([PubMed](#)).



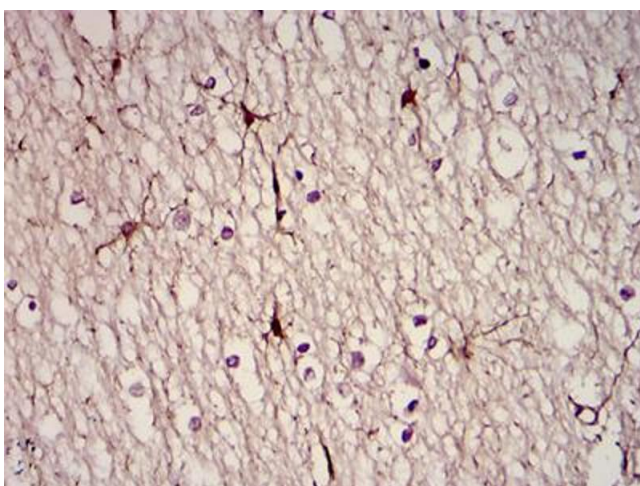
Western Blotting

Image 1. Western blot analysis using GFAP mouse mAb against A431 (1), SK-N-SH (2) and PC12 (3) cell lysate.



Immunofluorescence

Image 2. Immunofluorescence analysis of paraffin-embedded lobe of brain tissues using GFAP mouse mAb (green).



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded brain tissues using GFAP mouse mAb with DAB staining