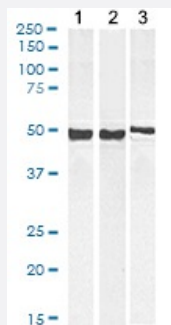


# GFAP polyclonal antibody

Catalog # PAB7137

Size 100 ug

## Applications



### Western Blot (Tissue lysate)

GFAP polyclonal antibody (Cat # PAB7137) (0.01 ug/mL) staining of Human Cerebellum (1), Mouse Brain (2) and (0.003 ug/mL) Rat Brain (3) lysate (35 ug protein in RIPA buffer). Detected by chemiluminescence.

## Specification

**Product Description** Goat polyclonal antibody raised against synthetic peptide of GFAP.

**Immunogen** A synthetic peptide corresponding to C-terminus of human GFAP.

**Sequence** C-DGEVIKESKQEHKD

**Host** Goat

**Theoretical MW (kDa)** 49.9

**Reactivity** Human, Mouse, Rat

**Form** Liquid

**Purification** Antigen affinity purification

**Concentration** 0.5 mg/mL

**Recommend Usage** ELISA (1:32000)  
Western Blot (0.001-0.01 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer** In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Gene Info — GFAP

**Entrez GeneID**[2670](#)**Protein Accession#**[NP\\_002046.1](#)**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 gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]

**Other Designations**

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## Publication Reference

- [Proteomic analysis of glial fibrillary acidic protein in Alzheimer's disease and aging brain.](#)

Korolainen MA, Auriola S, Nyman TA, Alafuzoff I, Pirttilä T.

Neurobiology of Disease 2005 Dec; 20(3):858.

Application: 2D, WB-Ti, Human, Brain

## Disease

- [Alzheimer disease](#)
- [Cognition](#)