

**GFAP Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10169****Specification**

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**GFAP Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P14136</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49880

**GFAP Antibody - Additional Information****Gene ID** 2670

Positive Control  
Application & Usage

**Rat kidney tissue lysate**  
The antibody can be used in Western Blot analysis (4-10 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide is available separately.

**Other Names**

Glial fibrillary acidic protein

**Target/Specificity**

GFAP

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit anti - GFAP polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

GFAP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## GFAP Antibody - Protein Information

**Name** GFAP

### Function

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.

### Cellular Location

Cytoplasm. Note=Associated with intermediate filaments

### Tissue Location

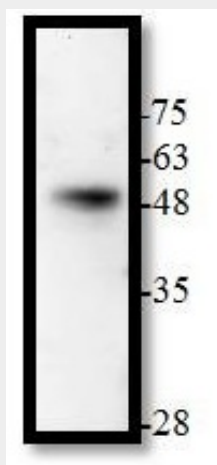
Expressed in cells lacking fibronectin.

## GFAP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## GFAP Antibody - Images



Western blot analysis of GFAP using rat kidney tissue lysate.

## GFAP Antibody - Background

GFAP, Glial fibrillary acidic protein is an intermediate filament protein. It was found in astrocytes cells as a cell specific marker in the central nervous system development. GFAP is defective in

Alexander disease. But it is highly expressed in Astrogliosis which is a result of some diseases, such as AIDS, dementia and inflammatory demyelination diseases.