

## GFAP (Phospho Ser13) Rabbit pAb

CatalogNo: YP1820

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- IHC, WB

#### MW

- 45kD (Observed)

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-2000**

**IHC 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human GFAP (Phospho Ser13)

**Specificity** This antibody detects endogenous levels of GFAP (Phospho Ser13) Rabbit pAb at Human, Mouse, Rat. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RRsYV

---

## | Target Information

**Gene name** GFAP

**Protein Name** Glial fibrillary acidic protein (GFAP)

Organism	Gene ID	UniProt ID
Human	<a href="#">2670</a> ;	<a href="#">P14136</a> ;
Mouse	<a href="#">14580</a> ;	<a href="#">P03995</a> ;
Rat	<a href="#">24387</a> ;	<a href="#">P47819</a> ;

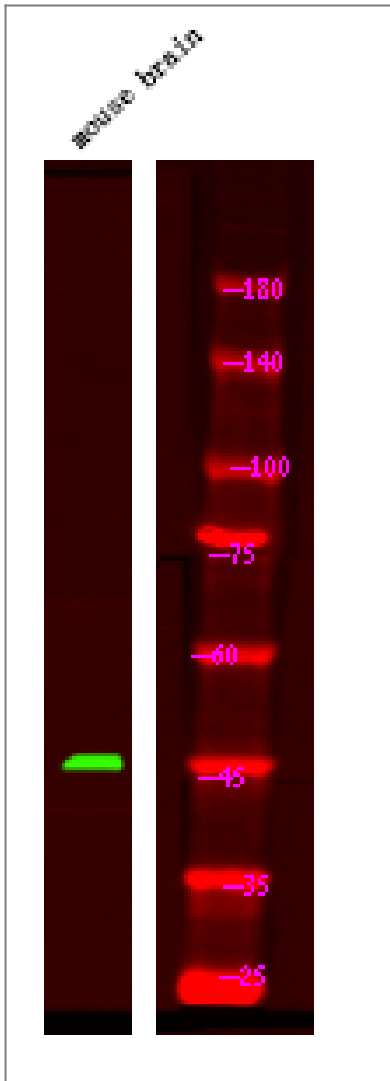
**Cellular Localization** Cytoplasm . Associated with intermediate filaments. .

**Tissue specificity** Expressed in cells lacking fibronectin.

**Function** Alternative products:Isoforms differ in the C-terminal region which is encoded by alternative exons,Disease:Defects in GFAP are a cause of Alexander disease (ALEXD) [MIM:203450]. Alexander disease 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. The most common form affects infants and young children, and is characterized by progressive failure of central myelination, usually leading to death usually within the first decade. Infants with Alexander disease develop a leukoencephalopathy with macrocephaly, seizures, and psychomotor retardation. Patients with juvenile or adult forms typically experience ataxia, bulbar signs and spasticity, and a more slowly progressive course.,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.,online information:GFAP entry,similarity:Belongs to the intermediate filament family.,subcellular location:Associated with intermediate filaments.,subunit:Interacts with SYNM (By similarity). Isoform 3 interacts with PSEN1 (via N-terminus).,tissue specificity:Expressed in cells lacking fibronectin.,

---

## | Validation Data



Western Blot analysis of mouse brain tissue, using primary antibody at 1:1000 dilution 4°C, overnight. Secondary antibody(catalog#:RS23920) was diluted at 1:10000 25°C, 1.5hours

## Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:

**GFAP (Phospho Ser13) Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)