

GFAP Rabbit pAb

CatalogNo: YT1894

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 50kD (Observed)

Isotype

- IgG

Storage

Storage*

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

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:5000

Not yet tested in other applications.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human GFAP. AA range:11-60

Specificity

GFAP Polyclonal Antibody detects endogenous levels of GFAP protein.

| Target Information

Gene name GFAP

Protein Name Glial fibrillary acidic protein

Organism	Gene ID	UniProt ID
Human	2670 ;	P14136 ;
Mouse	14580 ;	P03995 ;
Rat	24387 ;	P47819 ;

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

| Contact information

Orders: order@immunoway.com

Support: 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



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