

GFAP Rabbit pAb

CatalogNo: YT1894

| Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- WB,IHC,IF,ELISA

MW

- 50kD (Observed)

Isotype

- IgG

| 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.

| 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.

| 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		P03995 ;
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

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