

**产品名称: GFAP (phospho Ser38) Rabbit Polyclonal Antibody**  
**产品货号: APRab04730**



## 产品概述 (Summary)

|                        |                                                 |
|------------------------|-------------------------------------------------|
| 产品名称 (Production Name) | GFAP (phospho Ser38) Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody                      |
| 宿主 (Host)              | Rabbit                                          |
| 应用 (Application)       | WB,IHC,ICC/IF,ELISA                             |
| 种属反应性 (Reactivity)     | Human,Rat,Mouse                                 |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Phosphorylated                                                                                    |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | GFAP                                                                                                                                           |
| 别名 (Alternative Names) | GFAP; Glial fibrillary acidic protein; GFAP                                                                                                    |
| 基因 ID (Gene ID)        | 2670.0                                                                                                                                         |
| 蛋白 ID (SwissProt ID)   | P14136.The antiserum was produced against synthesized peptide derived from human GFAP around the phosphorylation site of Ser38. AA range:11-60 |

## 产品应用 (Application)

|                          |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000 |
| 蛋白分子量 (Molecular Weight) | 50kDa                                                                    |

## 研究背景 (Background)

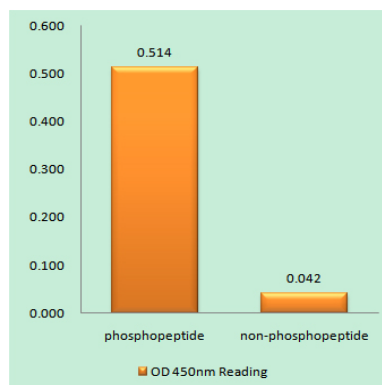
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This gene encodes one of the major intermediate filament proteins of mature astrocytes. It is used as a marker to distinguish astrocytes from other glial cells during development. Mutations in this gene cause Alexander disease, a rare disorder of astrocytes in the central nervous system. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008], 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.,

## 研究领域 (Research Area)

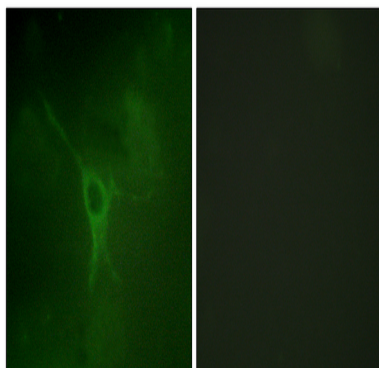
Neuroscience

## 图片 (Image Data)

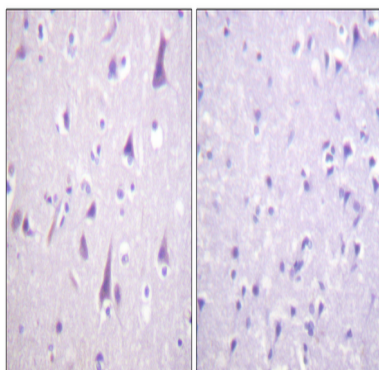


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using GFAP (Phospho-Ser38) Antibody

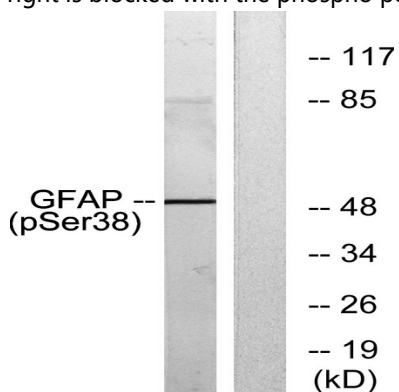
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Immunofluorescence analysis of COS7 cells, using GFAP (Phospho-Ser38) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using GFAP (Phospho-Ser38) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells, using GFAP (Phospho-Ser38) Antibody. The lane on the right is blocked with the phospho peptide.

## 注意事项 (Note)

For research use only .