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# **Recombinant GFAP Monoclonal Antibody**

catalog number: AN300140P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

## **Description**

Reactivity Human

Immunogen A synthetic peptide corresponding to the center region of the human GFAP

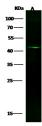
HostRabbitIsotypeIgGCloneA1254PurificationProtein A

**Buffer** 0.2 μm filtered solution in PBS

Applications Recommended Dilution

**WB** 1:500-1:1000

#### Data



Western Blot with GFAP Monoclonal Antibody at dilution of 1:500. Lane A: Mouse brain tissue lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:45 kDa Calculated-MW:50 kDa

# Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when

stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

## **Background**

GFAP (Glial fibrillary acidic protein) is a type III intermediate filament protein. It is the major component of astrocyte intermediate filament. Defects in GFAP are a cause of Alexander disease. 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. At the amino acid sequence level, human GFAP shares 91% and 90% identity with rat and mouse GFAP, respectively.

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