



Mouse Monoclonal Antibody **GFAP** conjugated to Sepharose Beads

CatalogNo: **ANT8172-S**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

GFAP (ANT0098R) Rabbit mAb

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Host Species

- Rabbit
- Human, Mouse, Rat,

Reactivity

- WB, IHC, IF, IP, ELISA

Applications

MW

- 50kD (Calculated)
 - IgG, Kappa
- 50kD (Observed)

Isotype

Recommended Dilution Ratios

IP

Basic Information

Clonality	Monoclonal
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Clone Number	ANT0098R
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Immunogen Information

Specificity Endogenous

Target Information

Gene name GFAP

Protein Name Glial fibrillary acidic protein

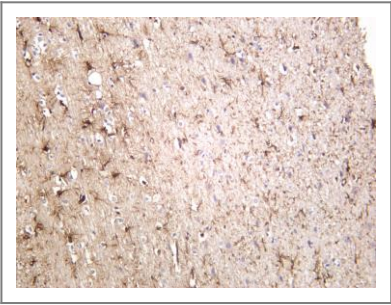
Organism	Gene ID	UniProt ID
Human	2670 ;	P14136 ;
Mouse	14580 ;	P03995 ;
Rat	24387 ;	P47819 ;

Cellular Localization Cytoplasm

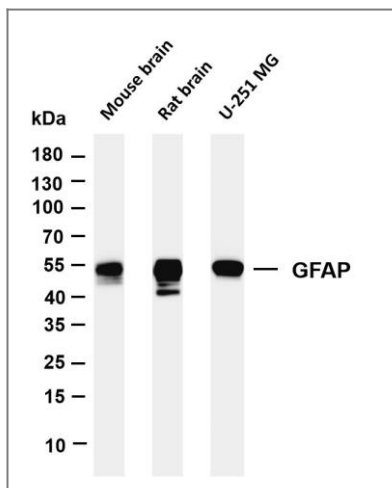
Tissue specificity Expressed in cells lacking fibronectin.

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 cellspecific 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 Nterminus),,tissue specificity:Expressed in cells lacking fibronectin.,

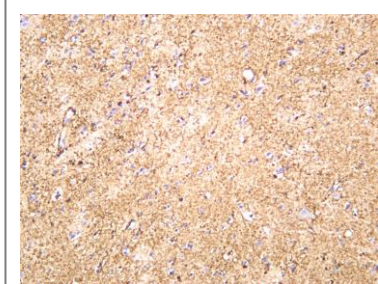
Validation Data



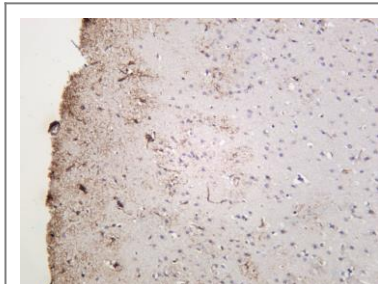
Rat brain was stained with anti-GFAP (ANT0098R) rabbit antibody



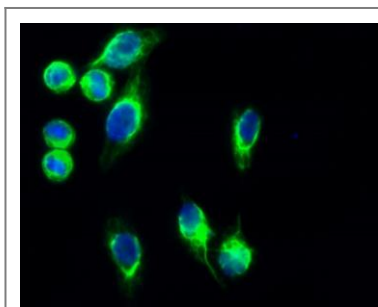
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-GFAP (ANT0098R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse brain Lane 2: Rat brain Lane 3: U-251MG Predicted band size: 50kDa Observed band size: 50kDa



Human brain was stained with anti-GFAP (ANT0098R) rabbit antibody



Mouse brain was stained with anti-GFAP (ANT0098R) rabbit antibody



Immunofluorescence analysis of HeLa cell. 1,GFAP Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog:RS3211 was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue) 10min.

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