GFAP (ANT0098R) Rabbit mAb

CatalogNo: ANT8172 Recombinant

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species	Reactivity	Applications
• Rabbit • Human,Mouse,Rat,	• WB,IHC,IF,IP,ELISA	

MW	Isotype
• 50kD (Calculated) 50kD (Observed)	• IgG,Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000
WB 1:1000-1:5000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200,

Storage

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

Basic Information

Clonality	Monoclonal
Clone Number	ANT0098R

Immunogen Information **Specificity**

Endogenous

Target Information

Gene name GFAP

Protein Name Glial fibrillary acidic protein

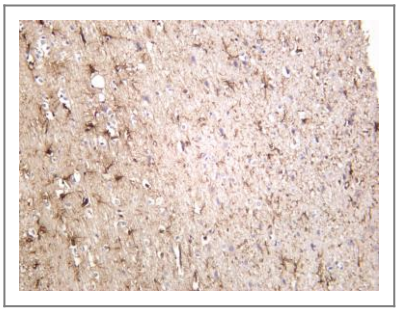
Organism	Gene ID	UniProt ID
Human	2670;	P14136;
Mouse	14580;	P03995;
Rat	24387;	P47819;

Cellular Localization Cytoplasm

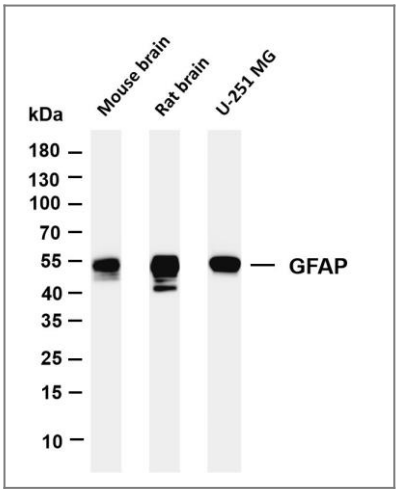
Tissue specificity Expressed in cells lacking fibronectin.

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.,

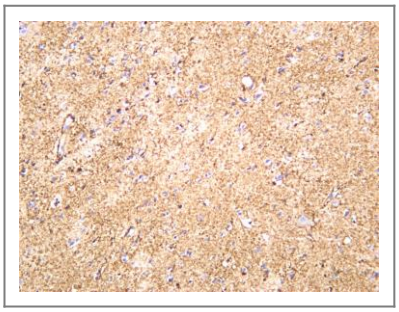
Validation Data



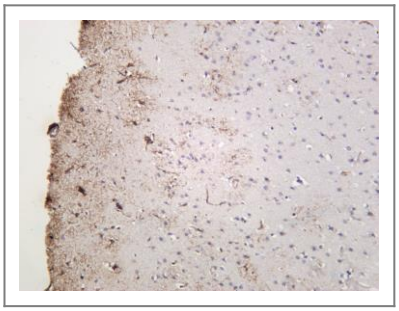
Rat brain was stained with anti-GFAP (ANT0098R) rabbit antibody



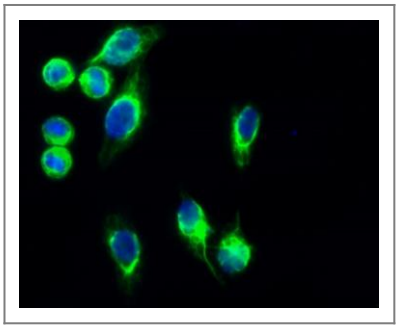
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-GFAP (ANT0098R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse brain Lane 2: Rat brain Lane 3: U-251MG Predicted band size: 50kDa Observed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