



Glial Fibrillary Acidic Protein (GFAP) (PT1995) mouse mAb

Catalog No	YP-Ab-15401
Isotype	IgG
Reactivity	Human
Applications	IHC;WB;IF
Gene Name	GFAP
Immunogen	Synthesized peptide derived from human Glial Fibrillary Acidic Protein (GFAP)
Specificity	This antibody detects endogenous levels of human Glial Fibrillary Acidic Protein (GFAP). Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as antigen repair method in par
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Mouse, Monoclonal/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, WB 1:200-1000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	glial fibrillary acidic protein;GFAP;Glial fibrillary acidic protein (GFAP)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	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-spe

Background

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],

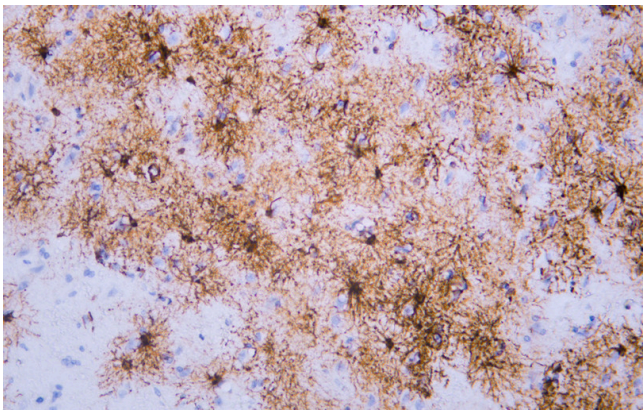
matters needing attention

Avoid repeated freezing and thawing!

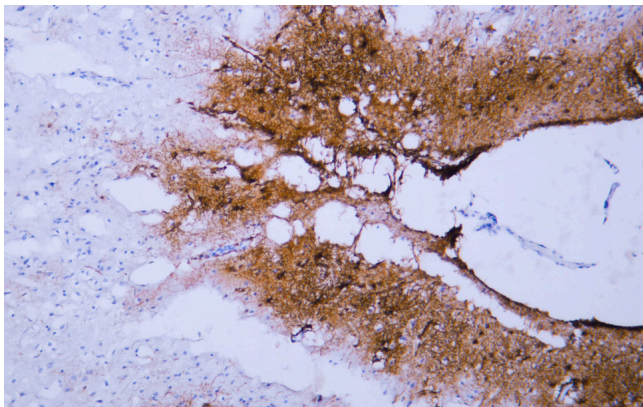
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Human cerebrum tissue was stained with Anti-Glial Fibrillary Acidic Protein (GFAP) (ABT518) Antibody



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