Best Tools for immunology Research

Glial Fibrillary Acidic Protein (GFAP) (PT0129R) rabbit mAb

Catalog No :	YM7125
Reactivity :	Human; Rat;
Applications :	IHC; WB; ELISA
Target :	GFAP
Fields :	>>JAK-STAT signaling pathway
Gene Name :	GFAP
Protein Name :	Glial fibrillary acidic protein (GFAP)
Human Gene Id :	2670
Human Swiss Prot No :	P14136
Immunogen :	Synthesized peptide derived from human Glial Fibrillary Acidic Protein (GFAP) AA range:300-432
Specificity :	This antibody detects endogenous levels of GFAP
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	50kD
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],

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

Subcellular Location : Cytoplasmic

Expression : Expressed in cells lacking fibronectin.

Tag : hot,recombinant

Sort : 6604

No4 : 1

Host : Rabbit

Modifications : Unmodified

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