abcam

Product datasheet

Recombinant Human GFAP protein ab114149

5 References 2 图像

描述

产品名称	重组人GFAP蛋白
表达系统	Wheat germ
Accession	**P14136**
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MERRRITSAARRSYVSSGEMMVGGLAPGRRLGPGTRLSLARM PPPLPTRV DFSLAGALNAGFKETRASERAEMMELNDRFASYIEKVRFLEQ QNKALAAE LNQLRAKEPTKLADVYQAELRELRLRLDQLTANSARLEVERD NLAQDLAT VRQKLQDETNLRLEAENNLAAYRQEADEATLARLDLERKIES LEEEIRFL RKIHEEEVRELQEQLARQQVHVELDVAKPDLTAALKEIRTQY EAMASSNM HEAEEWYRSKFADLTDAAARNAELLRQAKHEANDYRRQLQSL TCDLESLR GTNESLERQMREQEERHVREAASYQEALARLEEEGQSLKDEM ARHLQEYQ DLLNVKLALDIEIATYRKLLEGEENRITIPVQTFSNLQIRET SLDTKSVS EGHLKRNIVVKTVEMRDGEVIKESKQEHKDVM
预测分子量	76 kDa including tags
氨基酸	1 to 432
标签	GST tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab114149** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	ELISA

	Western blot
	SDS-PAGE
形式	Liquid
补充说明	

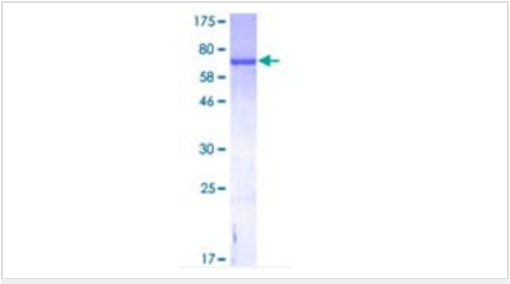
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

常规信息

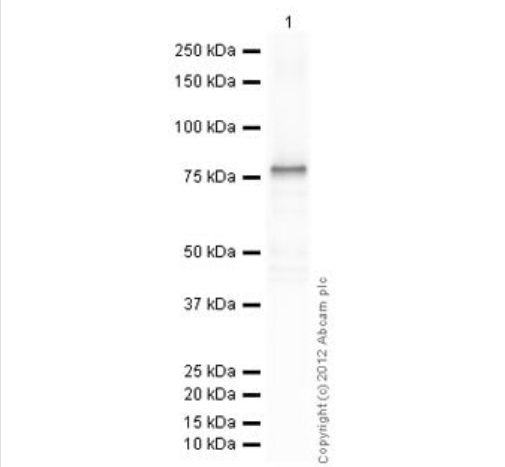
功能	GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.
组织特异性	Expressed in cells lacking fibronectin.
疾病相关	Defects in GFAP are a cause of Alexander disease (ALEXD) [MIM:203450]. 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.
序列相似性	Belongs to the intermediate filament family.
翻译后修饰	Phosphorylated by PKN1.
细胞定位	Cytoplasm. Associated with intermediate filaments.

图片



SDS-PAGE - Recombinant Human GFAP protein (ab114149)

12.5% SDS-PAGE analysis of ab114149, stained with Coomassie Blue.



Western blot - Recombinant Human GFAP protein (ab114149)

Anti-GFAP antibody - Astrocyte Marker (**ab48050**) at 1 µg/ml + Recombinant Human GFAP protein (ab114149) at 0.1 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 10 seconds

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