abcam

Product datasheet

Recombinant Human GFAP protein ab114149

5 References 画像数 2

製品の詳細

製品名	Recombinant Human GFAP protein
発現系	Wheat germ
アクセッション番号	**P14136**
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MERRRITSAARRSYVSSGEMMVGGLAPGRRLGPGTRLSLARM PPPLPTRV DFSLAGALNAGFKETRASERAEMMELNDRFASYIEKVRFLEQ QNKALAAE LNQLRAKEPTKLADVYQAELRELRLRLDQLTANSARLEVERD NLAQDLAT VRQKLQDETNLRLEAENNLAAYRQEADEATLARLDLERKIES LEEEIRFL RKIHEEEVRELQEQLARQQVHVELDVAKPDLTAALKEIRTQY EAMASSNM HEAEEWYRSKFADLTDAAARNAELLRQAKHEANDYRRQLQSL TCDLESLR GTNESLERQMREQEERHVREAASYQEALARLEEEGQSLKDEM ARHLQEYQ DLLNVKLALDIEIATYRKLLEGEENRITIPVQTFSNLQIRET SLDTKSVS EGHLKRNIVVKTVEMRDGEVIKESKQEHKDVM
予測される分子量	76 kDa including tags
領域	1 to 432
タグ	GST tag N-Terminus

特性

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.

アプリケーション	ELISA

	Western blot
	SDS-PAGE
製品の状態	Liquid
備考	

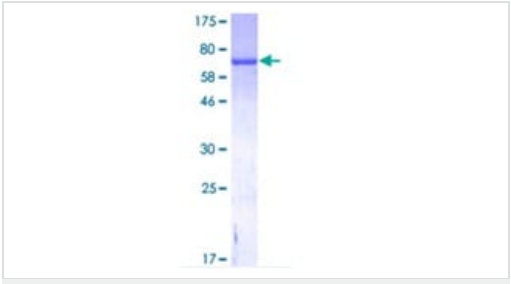
前処理および保存

保存方法および安定性	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

関連情報

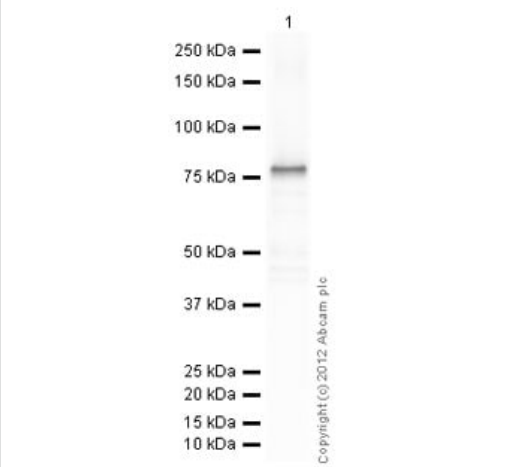
機能	GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.
組織特異性	Expressed in cells lacking fibronectin.
関連疾患	Defects in GFAP are a cause of Alexander disease (ALEXD) [MIM:203450]. 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.
配列類似性	Belongs to the intermediate filament family.
翻訳後修飾	Phosphorylated by PKN1.
細胞内局在	Cytoplasm. Associated with intermediate filaments.

画像



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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