


Product datasheet

Anti-GFAP delta antibody ab93251

★★★★☆ 2 Abreviews 画像数 3

製品の概要

製品名	Anti-GFAP delta antibody
製品の詳細	Rabbit polyclonal to GFAP delta
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB, IHC-P
種交差性	交差種: Mouse 交差が予測される動物種: Rat 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 350 to the C-terminus of Mouse GFAP delta.Immunogen の所有権に関して
ポジティブ・コントロール	This antibody gave a positive signal in the following tissue lysates: Mouse Brain; Mouse Cerebellum; Mouse Hippocampus; Mouse Spinal Cord. This antibody gave a positive result in IHC in the following FFPE tissue: Normal mouse adult brain. It also gave a positive result in SKNSH cell line.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Note: Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab93251** in the following tested applications.

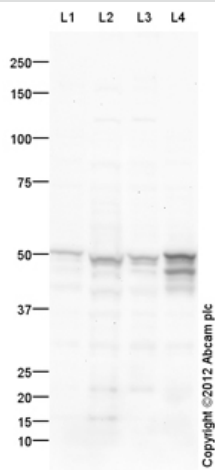
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 10 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).
IHC-P	★★★★☆	Use a concentration of 5 µg/ml.

ターゲット情報

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



Western blot - Anti-GFAP delta antibody (ab93251)

All lanes : Anti-GFAP delta antibody (ab93251) at 1 µg/ml

Lane 1 : Brain (Mouse) Tissue Lysate

Lane 2 : Cerebellum Mouse Tissue Lysate

Lane 3 : Mouse Hippocampus Tissue Lysate

Lane 4 : Spinal Cord (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 50 kDa

Observed band size: 50 kDa

Additional bands at: 15 kDa, 47 kDa, 70 kDa. We are unsure as to the identity of these extra bands.

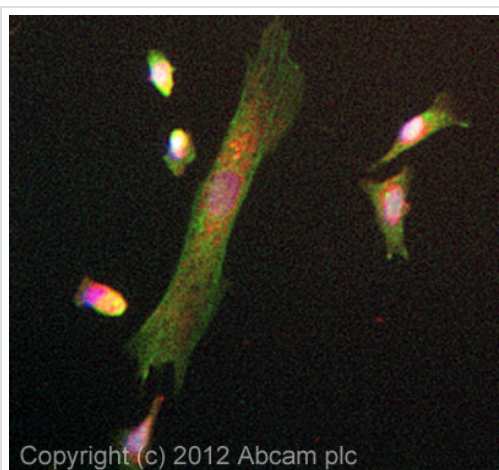
Exposure time: 2 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GFAP delta antibody (ab93251)

IHC image of GFAP delta staining in normal Mouse brain formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab93251, 5µg/ml, for 15 mins at room temperature. A Goat anti-Rabbit biotinylated secondary antibody was used to detect the primary, and visualized using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunocytochemistry/ Immunofluorescence - Anti-GFAP delta antibody (ab93251)

ICC/IF image of ab93251 stained SKNSH cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab93251, 10µg/ml) overnight at +4°C. The secondary antibody (green) was ab96899, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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