abcam

Product datasheet

Anti-68kDa Neurofilament antibody ab103424

画像数 2

製品の概要

製品名	Anti-68kDa Neurofilament antibody
製品の詳細	Rabbit polyclonal to 68kDa Neurofilament
由来種	Rabbit
アプリケーション	**適用あり:** WB
種交差性	**交差種:** Human
免疫原	Full length protein, corresponding to amino acids 1-543 of Human 68kDa Neurofilament (NP_006149.2).
ポジティブ・コントロール	Hela nuclear extract; 68kDa Neurofilament transfected 293T cell lysate; HeLa cells

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: None Constituents: 1X PBS, pH 7.2
精製度	Protein A 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 **ab103424** in the following tested applications.

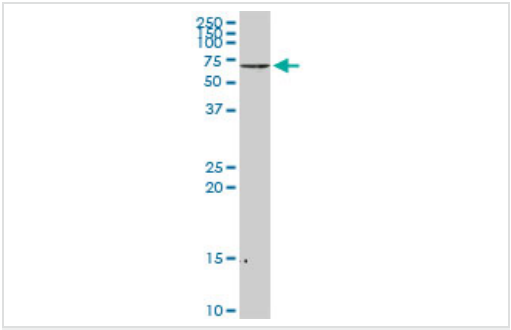
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/1000. Predicted molecular weight: 62 kDa.

ターゲット情報

機能	Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber.
関連疾患	Defects in NEFL are the cause of Charcot-Marie-Tooth disease type 1F (CMT1F) [MIM:607734]. CMT1F is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy or CMT1, and primary peripheral axonal neuropathy or CMT2. Neuropathies of the CMT1 group are characterized by severely reduced nerve conduction velocities (less than 38 m/sec), segmental demyelination and remyelination with onion bulb formations on nerve biopsy, slowly progressive distal muscle atrophy and weakness, absent deep tendon reflexes, and hollow feet. CMT1F is characterized by onset in infancy or childhood (range 1 to 13 years). Defects in NEFL are the cause of Charcot-Marie-Tooth disease type 2E (CMT2E) [MIM:607684]. CMT2E is an autosomal dominant form of Charcot-Marie-Tooth disease type 2. Neuropathies of the CMT2 group are characterized by signs of axonal regeneration in the absence of obvious myelin alterations, normal or slightly reduced nerve conduction velocities, and progressive distal muscle weakness and atrophy.
配列類似性	Belongs to the intermediate filament family.
ドメイン	The extra mass and high charge density that distinguish the neurofilament proteins from all other intermediate filament proteins are due to the tailpiece extensions. This region may form a charged scaffolding structure suitable for interaction with other neuronal components or ions.
翻訳後修飾	O-glycosylated. Phosphorylated in the Head and Rod regions by the PKC kinase PKN1, leading to inhibit polymerization.

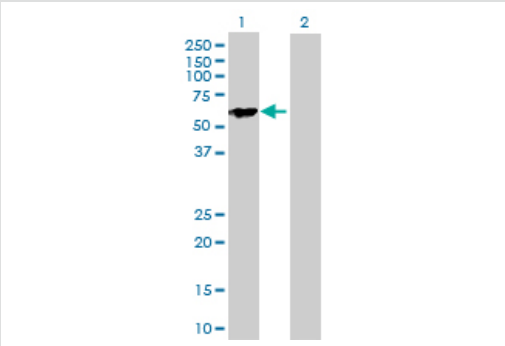
画像



Western blot - 68kDa Neurofilament antibody (ab103424)

Anti-68kDa Neurofilament antibody (ab103424) at 1/500 dilution + Hela nuclear extract at 50 µg

Predicted band size: 62 kDa



Western blot - 68kDa Neurofilament antibody (ab103424)

All lanes : Anti-68kDa Neurofilament antibody (ab103424) at 1/500 dilution

Lane 1 : 68kDa Neurofilament transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 62 kDa

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