Product datasheet

Anti-68kDa Neurofilament/NF-L antibody ab72997

11 Abreviews 11 References 1 图像

概述

产品名称	Anti-68kDa Neurofilament/NF-L抗体
描述	鸡多克隆抗体to 68kDa Neurofilament/NF-L
宿主	Chicken
经测试应用	**适用于:** WB
种属反应性	**与反应:** Rat
免疫原	Tissue, cells or virus corresponding to Cow 68kDa Neurofilament/NF-L. Bovine spinal cord intermediate filaments. Database link: **P02548**
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.065% Sodium azide
纯度	IgY fraction
克隆	多克隆
同种型	IgY

应用

The Abpromise guarantee Abpromise™承诺保证使用ab72997于以下的经测试应用

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (1)	1/10000. Detects a band of approximately 68 kDa (predicted molecular weight: 61 kDa).

靶标

功能

Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber.

疾病相关

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.

序列相似性

Belongs to the intermediate filament family.

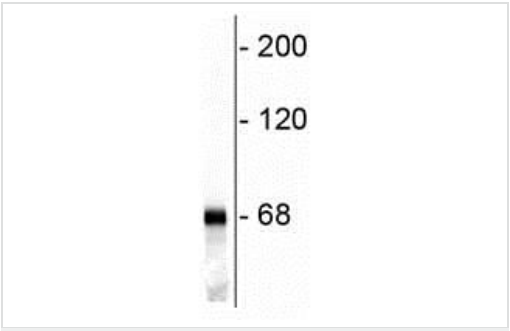
结构域

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.

翻译后修饰

O-glycosylated.
Phosphorylated in the Head and Rod regions by the PKC kinase PKN1, leading to inhibit polymerization.

图片



Western blot - Anti-68kDa Neurofilament/NF-L antibody (ab72997)

Anti-68kDa Neurofilament/NF-L antibody (ab72997) at 1/10000 dilution + Rat cerebral cortex lysate

Predicted band size: 61 kDa
Observed band size: 68 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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