

Anti-Neurofilament heavy polypeptide antibody ab8135

★★★★★ [25 Abreviews](#) [137 References](#) [2 图像](#)

概述

产品名称	Anti-Neurofilament heavy polypeptide抗体
描述	兔多克隆抗体to Neurofilament heavy polypeptide
宿主	Rabbit
特异性	The antibody recognizes both phosphorylated and non-phosphorylated forms of NF-H. Specifically recognizes the heavy microfilament subunit (~180-220 kDa).
经测试应用	适用于: IHC-FrFI, WB
种属反应性	与反应: Mouse, Rat
免疫原	Full length native protein (purified) corresponding to Cow Neurofilament heavy polypeptide. From bovine spinal cord. Database link: F1MSQ6
常规说明	<p>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.</p> <p>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</p>

性能

形式	Liquid
存放说明	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.
存储溶液	Preservative: 0.03% Sodium azide
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab8135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
IHC-FrFI	★★★★★ (1)	1/5000.
WB	★★★★★ (2)	1/10000.

靶标

功能

Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber. NF-H has an important function in mature axons that is not subserved by the two smaller NF proteins.

疾病相关

Defects in NEFH are a cause of susceptibility to amyotrophic lateral sclerosis (ALS) [MIM:105400]. ALS is a neurodegenerative disorder affecting upper and lower motor neurons, and resulting in fatal paralysis. Sensory abnormalities are absent. Death usually occurs within 2 to 5 years. The etiology is likely to be multifactorial, involving both genetic and environmental factors.

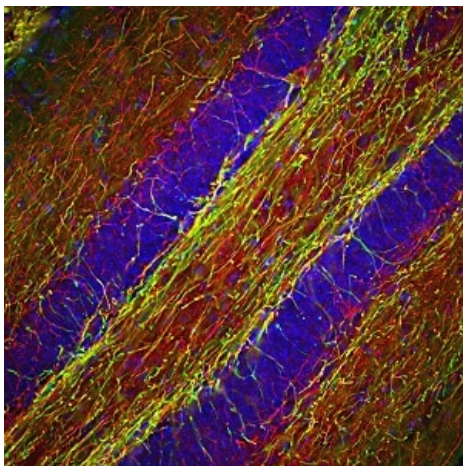
序列相似性

Belongs to the intermediate filament family.

翻译后修饰

There are a number of repeats of the tripeptide K-S-P, NFH is phosphorylated on a number of the serines in this motif. It is thought that phosphorylation of NFH results in the formation of interfilament cross bridges that are important in the maintenance of axonal caliber. Phosphorylation seems to play a major role in the functioning of the larger neurofilament polypeptides (NF-M and NF-H), the levels of phosphorylation being altered developmentally and coincident with a change in the neurofilament function. Phosphorylated in the Head and Rod regions by the PKC kinase PKN1, leading to inhibit polymerization.

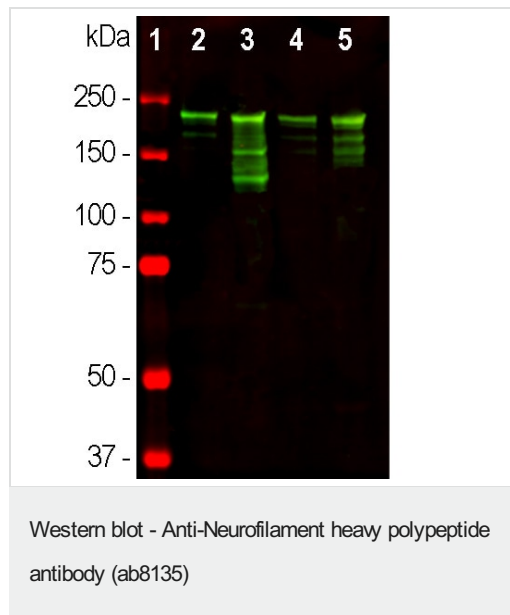
图片



Immunohistochemistry - Free Floating - Anti-Neurofilament heavy polypeptide antibody (ab8135)

Immunohistological analysis of a mouse hippocampus section stained with ab8135 at a dilution 1:2,000 in red, and co-stained with a mouse mAb to myelin basic protein (MBP) at a dilution 1:5,000 in green. The blue is DAPI staining of nuclear DNA.

Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μ M, and free-floating sections were stained.



All lanes : Anti-Neurofilament heavy polypeptide antibody (ab8135)
at 1/10000 dilution

Lane 2 : Rat brain tissue lysate

Lane 3 : Rat spinal cord tissue lysate

Lane 4 : Mouse brain tissue lysate

Lane 5 : Mouse spinal cord tissue lysate

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

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