

Anti-Neurofilament heavy polypeptide antibody ab8135

★★★★★ [25 Abreviews](#) [137 References](#) [画像数 2](#)

製品の概要

製品名	Anti-Neurofilament heavy polypeptide antibody
製品の詳細	Rabbit polyclonal to Neurofilament heavy polypeptide
由来種	Rabbit
特異性	The antibody recognizes both phosphorylated and non-phosphorylated forms of NF-H. Specifically recognizes the heavy microfilament subunit (~180-220 kDa).
アプリケーション	適用あり: IHC-FrFI, WB
種交差性	交差種: Mouse, Rat
免疫原	Full length native protein (purified) corresponding to Cow Neurofilament heavy polypeptide. From bovine spinal cord. Database link: F1MSQ6
特記事項	<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>

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	Preservative: 0.03% Sodium azide
精製度	Whole antiserum
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

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab8135の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-FrFI	★★★★★ (1)	1/5000.
WB	★★★★★ (2)	1/10000.

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. NF-H has an important function in mature axons that is not subserved by the two smaller NF proteins.

関連疾患

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.

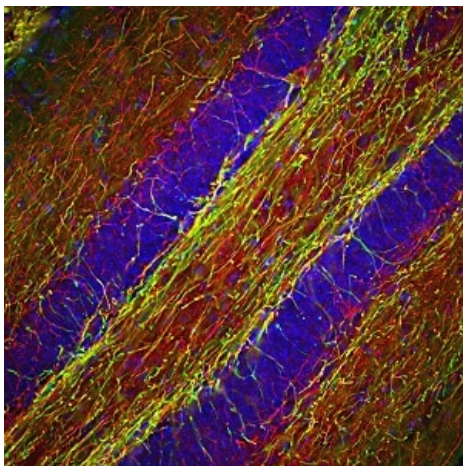
配列類似性

Belongs to the intermediate filament family.

翻訳後修飾

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.

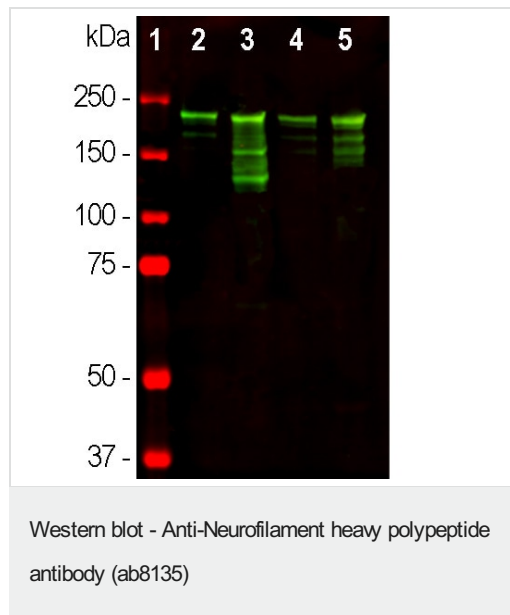
画像



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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