

# Anti-Neurofilament heavy polypeptide antibody [RNF404] ab8972

**1 References**   [画像数 2](#)

### 製品の概要

製品名	Anti-Neurofilament heavy polypeptide antibody [RNF404]
製品の詳細	Mouse monoclonal [RNF404] to Neurofilament heavy polypeptide
由来種	Mouse
特異性	Reacts with the intermediate filament protein of periferal and central nerve cells, corresponding in Western blotting with the 200 kDa protein. Specific for the phosphorylated isoform.
アプリケーション	<b>適用あり:</b> IHC-P
種交差性	<b>交差種:</b> Rat, Human
免疫原	Tissue, cells or virus corresponding to Cow Neurofilament heavy polypeptide. Neurofilament preparation of calf brain tissue. Database link: <b><a href="#">P12036</a></b>
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&amp;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: 0.09% Sodium azide Constituent: PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	RNF404
ミエローマ	Sp2/0-Ag14
アイソタイプ	IgG2a

## アプリケーション

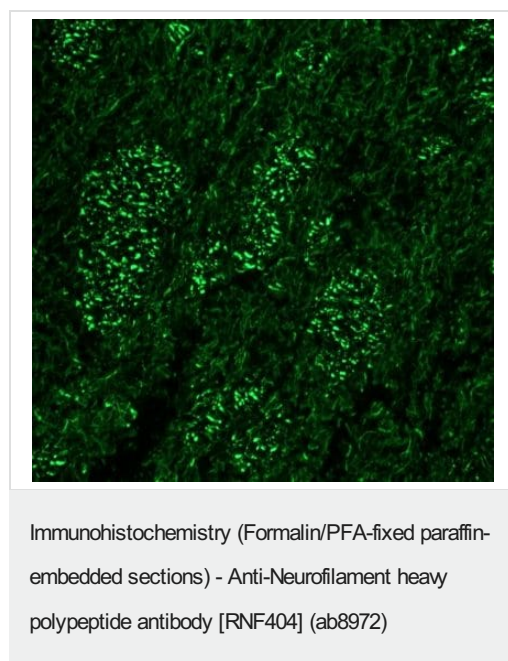
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/50 - 1/100.

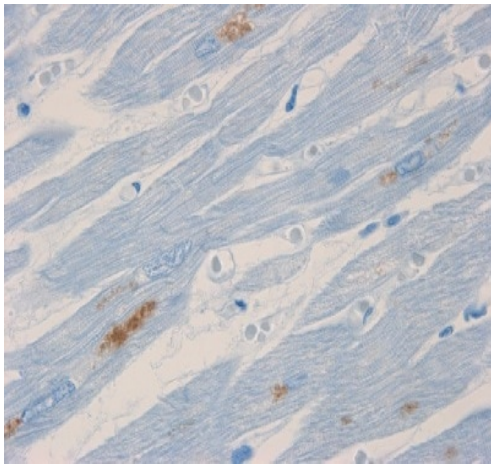
## ターゲット情報

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



mmunofluorescence staining of rat brain with ab8972 (1:100).



Immunohistochemistry on paraffin section of human heart

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neurofilament heavy polypeptide antibody [RNF404] (ab8972)

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