

Datasheet for ABIN361351

**anti-NEFH antibody**

4 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	NEFH
Reactivity:	Cow
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This NEFH antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	Purified bovine NF-H
Specificity:	Specific for the ~200k Neurofilament H protein.
Cross-Reactivity:	Chicken, Mammalian
Purification:	Total IgY fraction

## Target Details

Target:	NEFH
Alternative Name:	NEFH ( <a href="#">NEFH Products</a> )
Background:	Neurofilaments are the 10nm or intermediate filament proteins found specifically in neurons, and are composed predominantly of three major proteins called NF-L, NF-M and NF-H (1). NF-H is the neurofilament high or heavy molecular weight polypeptide and runs on SDS-PAGE gels at 200-220 kDa, with some variability across species boundaries. Antibodies to NF-H are useful for

## Target Details

identifying neuronal cells and their processes in tissue sections and in tissue culture. NF-H antibodies can also be useful to visualize neurofilament accumulations seen in many neurological diseases, such as Amyotrophic Lateral Sclerosis (Lou Gehrig's disease) (2) and Alzheimer's disease (3). Anti-Neurofilament H Left: Western blot of rat cortex lysate showing specific immunolabeling of the ~200k NF-H protein. Right: Immunofluorescence of rat cortical neurons and glia showing NF-H staining (red).

Molecular Weight: 200 kDa

Gene ID: 4744

UniProt: [P12036](#)

## Application Details

Application Notes: Recommended Dilution: WB: 1:50,000 IF: 1:25,000 Quality Control: Western blots performed on each lot.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: total IgY fraction in PBS + 10 mM Sodium azide.

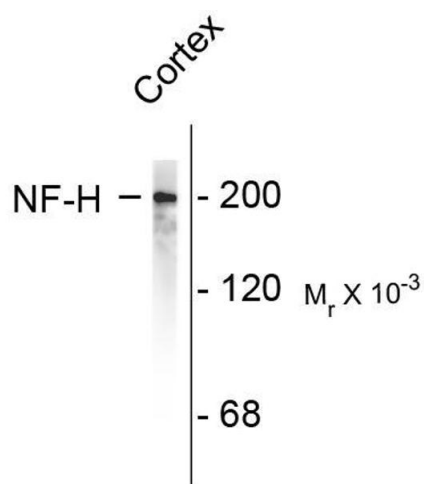
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

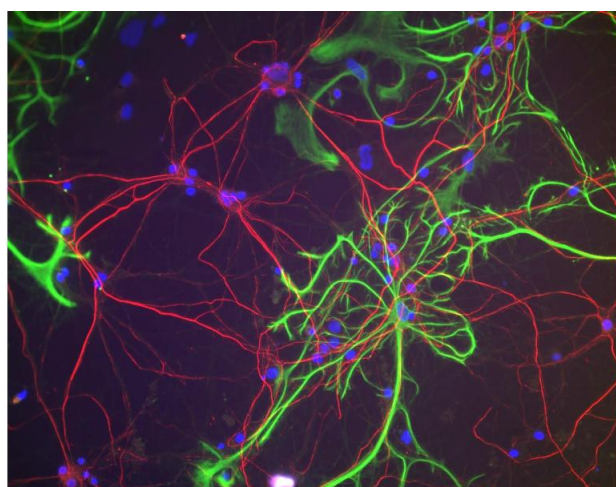
## Publications

Product cited in: Vartanian, Masri, Martin, Cloninger, Holmes, Artinian, Funk, Ruegg, Gera: "AP-1 regulates cyclin D1 and c-MYC transcription in an AKT-dependent manner in response to mTOR inhibition: role of AIP4/Itch-mediated JUNB degradation." in: **Molecular cancer research : MCR**, Vol. 9, Issue 1, pp. 115-30, (2011) ([PubMed](#)).



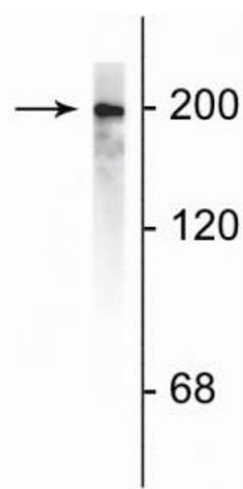
#### Western Blotting

**Image 1.** Western blots of rat cortex lysate showing specific immunolabeling of the ~200k NF-H protein.



#### Immunofluorescence

**Image 2.** Immunofluorescence of rat cortical neurons and glia showing NF-H staining (red).



#### Western Blotting

**Image 3.** Western blot of rat cortical lysate showing specific immunolabeling of the ~200 kDa NF-H protein.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN361351.