

## Anti-Neurofilament NF-H NEFH Antibody

Catalog Number: M05307-6

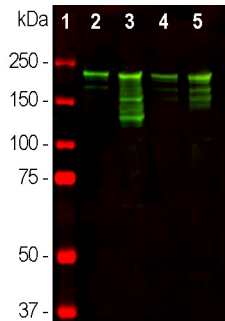
### Overview

Product Name	Anti-Neurofilament NF-H NEFH Antibody
Reactive Species	Bovine, Equine, Human, Mouse, Pig, Rat
Description	Boster Bio Anti-Neurofilament NF-H NEFH Antibody catalog # M05307-6. Tested in IF, IHC, WB applications. This antibody reacts with Bovine, Equine, Human, Mouse, Pig, Rat.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Antibody is supplied as an aliquot of serum
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P12036

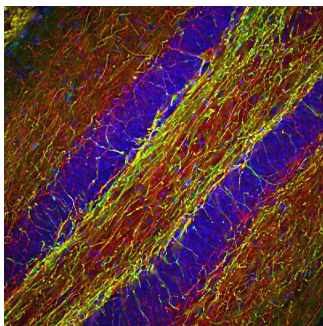
### Technical Details

Immunogen	Native NF-H purified from bovine spinal cord
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:10,000-25,000. ICC/IF and IHC: 1:1,000-5,000.</p>

## Anti-Neurofilament NF-H NEFH Antibody (M05307-6) Images



Western blot analysis of different tissue lysates using rabbit pAb to NF-H, M05307-6, dilution 1:10,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord [4] mouse brain, and [5] mouse spinal cord lysate. Strong band at about 220kDa corresponds to the phosphorylated axonal form of the NF-H subunit. Smaller proteolytic fragments of NF-H are also detected with M05307-6 antibody.



Immunohistological analysis of a mouse hippocampus section stained with rabbit pAb to NF-H, M05307-6, dilution 1:2,000 in red, and costained with mouse mAb to myelin basic protein (MBP), 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 45M, and free-floating sections were stained with above antibodies. The NF-H antibody labels a network of axons of different neurons, while the MBP antibody stains myelin sheath around these axons.

## 2 Publications Citing This Product

1. PubMed ID: 33582188, Wu K, Yue J, Shen K, He J, Zhu G, Liu S, Yang H, Zhang C. Expression and cellular distribution of FGF13 in cortical tubers of the tuberous sclerosis complex. *Neurosci Lett*. 2021 Feb 11;135714. doi:10.1016/j.neulet.2021.135714. Epub ahead of print. PMID:33582188.
2. PubMed ID: 33285262, Wu K, Yue J, Shen K, He J, Zhu G, Liu S, Zhang C, Yang H. Increased Expression of Fibroblast Growth Factor 13 in Cortical Lesions of the Focal Cortical Dysplasia. *Brain Res Bull*. 2020 Dec 4;S0361-9230(20)30710-3. doi: 10.1016/j.brainresbull.2020.11.023. Epub ahead

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