

Anti-Phosphorylated Neurofilament NF-H NEFH Antibody

Catalog Number: M05307-7

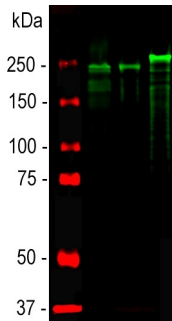
Overview

Product Name	Anti-Phosphorylated Neurofilament NF-H NEFH Antibody
Reactive Species	Bovine, Canine, Equine, Human, Mouse, Pig, Rat
Description	Boster Bio Anti-Phosphorylated Neurofilament NF-H NEFH Antibody catalog # M05307-7. Tested in IF, IHC, WB applications. This antibody reacts with Bovine, Canine, Equine, Human, Mouse, Pig, Rat.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Supplied as an aliquot of IgY preparation plus 5mM NaN ₃
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	Chicken
Uniprot ID	P12036

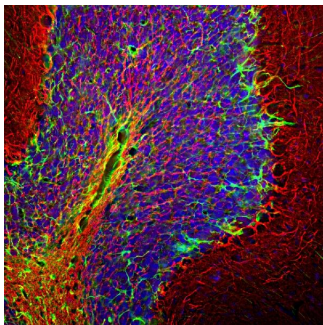
Technical Details

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: 1:1,000,000. IF/ICC and IHC: 1:100,000. ELISA-capture antibody</p>

Anti-Phosphorylated Neurofilament NF-H NEFH Antibody (M05307-7) Images



Western blot analysis of spinal cord lysates from different species using chicken pAb to NF-H, M05307-7, dilution 1:20,000 in green: [1] protein standard (red), [2] rat, [3] mouse, and [4] cow spinal cord. Strong band at about 200-220kDa corresponds to the phosphorylated form of NF-H. The protein from different species is known to have different SDS-PAGE molecular weights, with large species generally expressing larger proteins. Smaller proteolytic fragments of NF-H are also detected in spinal cord preparations with this antibody. The antibody does not recognize non-phosphorylated forms of NF-H (not shown, but see reference 1).



Immunohistological analysis of a rat cerebellum section stained with chicken pAb to NF-H, M05307-7, dilution 1:5,000 in red, and costained with rabbit pAb to GFAP, 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 network of axons of different neurons, while the GFAP antibody stains astrocytes and other glial cells.

1 Publications Citing This Product

1. 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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