

Anti-Neurofilament NF-M Antibody

Catalog Number: M06821-3

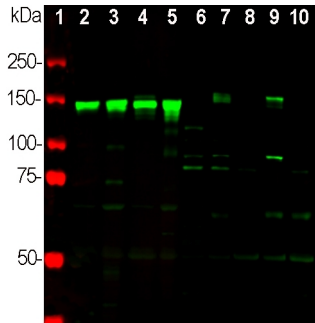
Overview

Product Name	Anti-Neurofilament NF-M Antibody
Reactive Species	Bovine, Chicken, Equine, Pig
Description	Boster Bio Anti-Neurofilament NF-M Antibody catalog # M06821-3. Tested in IF, IHC, WB applications. This antibody reacts with Bovine, Chicken, Equine, Pig.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Purified IgY preparation at 20-30 mg/mL with 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	P07197

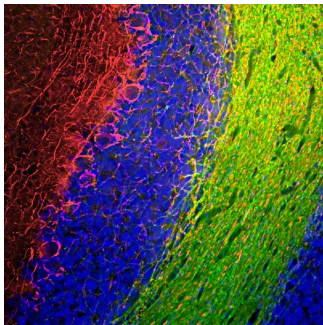
Technical Details

Immunogen	Recombinant construct containing the C-terminus of the human sequence (amino acids 708-877) expressed in and purified from E. coli.
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Use 1:10,000 for WB, 1:1,000 for ICC

Anti-Neurofilament NF-M Antibody (M06821-3) Images



Western blot analysis of different neuronal tissue and cell lysates using chicken pAb to NF-M, M06821-3, dilution 1:2,000 in green: [1] protein standard (red), [2] rat brain [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord, [6] NIH/3T3 cells, [7] HEK293, [8] HeLa, [9] SH-SY5Y, and [10] C6 cells. Strong band at 145kDa corresponds to rodent NF-M, and about 160kDa band corresponds to human NF-M protein, visible in SHSY-5Y and HEK293 cells which have neuronal properties. NF-M is not expressed in HeLa and other cell lines tested.



Immunofluorescent analysis of rat cerebellum section stained with chicken pAb to NF-M, M06821-3, dilution 1:1,000 in red, and costained with mouse mAb to CNP, dilution 1:500 in green. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45M, and free-floating sections were stained with the above antibodies. The NF-M antibody labels the network of axons of basket neurons and other neurons. The CNP antibody stains oligodendrocytes, cells that create myelin sheaths around axons.

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