

Product Datasheet

NF-M Antibody (MCA-3H11) - BSA Free NBP2-31206

Unit Size: 0.05 ml

Store at -20C. Avoid freeze-thaw cycles.

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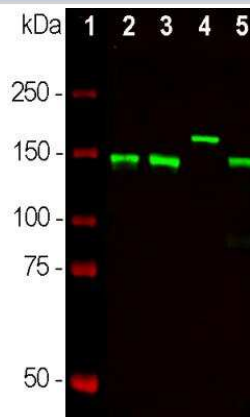
NBP2-31206

NF-M Antibody (MCA-3H11) - BSA Free

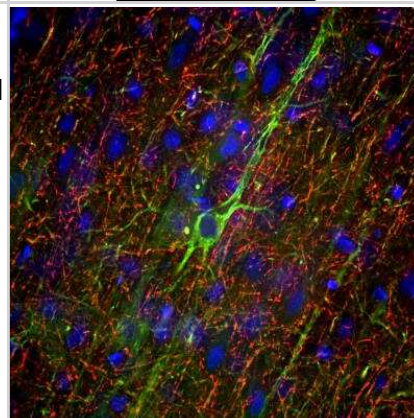
Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MCA-3H11
Preservative	0.035% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	145-160 kDa
Product Description	
Description	Novus Biologicals Mouse NF-M Antibody (MCA-3H11) - BSA Free (NBP2-31206) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4741
Gene Symbol	NEFM
Species	Human, Mouse, Rat, Porcine, Bovine, Chicken, Equine
Immunogen	Recombinant fusion protein containing the extreme C-terminus of rat NF-M (KE segment), amino acids 677-845, expressed in and purified from E. coli. The so-called KE segment, is highly conserved between NF-M molecules from different species.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:5000, Immunohistochemistry 1:500, Immunocytochemistry/ Immunofluorescence 1:500, Immunohistochemistry Free-Floating 1:5000
Application Notes	NF-M is the neurofilament middle or medium molecular weight polypeptide and runs on SDS-PAGE gels at ~145-160 kDa, with some variability across species. Users should titrate the antibody to determine the optimal concentration for their experimental system.

Images

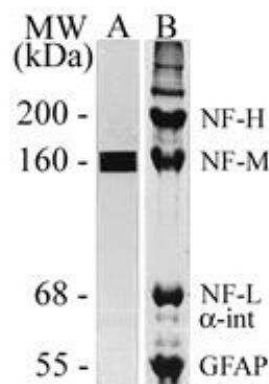
Western Blot: NF-M Antibody (MCA-3H11) [NBP2-31206] - Analysis of neuronal tissue lysates using mouse NF-M mAb, dilution 1:10,000 (Green): [1] protein standard (red), [2] rat spinal cord, [3] mouse spinal cord, [4] cow spinal cord, [5] rat sciatic nerve. Strong bands at 145kDa correspond to rodent NF-M while that at about 160kDa corresponds to the significantly larger bovine NF-M protein.



Immunohistochemistry Free-Floating: NF-M Antibody (MCA-3H11) [NBP2-31206] - Analysis of adult rat frontal cortex section stained with mouse neurofilament NF-M mAb, dilution 1:5,000 (Green), and costained with chicken neurofilament NF-H pAb, dilution 1:5,000 (Red). Following transcathal perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24hrs, cut to 45uM, and free-floating sections were stained with above antibodies. The mouse NF-M mAb labels neuron cell bodies and dendrites of pyramidal neurons, as well as dendrites and axons of other neuronal cells, while the chicken NF-M pAb stains the network of neuronal axons only.



Western Blot: Neurofilament NF-M Antibody (MCA-3H11) [NBP2-31206] - Cytoskeletal homogenate of rat spinal cord was separated by 7.5% SDS-PAGE. Lane A: Western blot analysis of Neurofilament NF-M with NBP2-31206. Lane B: SDS-PAGE gel stained with Commassie Brilliant Blue. The bands corresponding to Neurofilament subunits NF-H, NF-M, NF-L, α -internexin and GFAP are indicated.





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Products Related to NBP2-31206

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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