

Product Datasheet

NF-L Antibody - BSA Free NBP1-05219

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-05219

NF-L Antibody - BSA Free

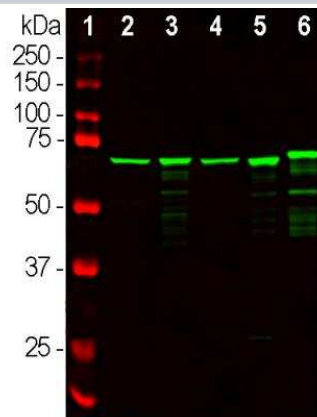
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgY
Purity	IgY purified
Buffer	Supplied as a concentrated total IgY preparation from egg yolk, dialyzed against PBS with added preservative.
Target Molecular Weight	68 kDa

Product Description	
Description	<p>This antibody is supplied as a concentrated total IgY preparation derived from egg yolk. Production involves an initial organic extraction to remove lipids and lipoproteins, followed by salt fractionation of the aqueous phase to precipitate and enrich the IgY fraction. The material is then extensively dialyzed against PBS, and preservative is added during final formulation.</p> <p>Please note that the exact concentration of target-specific IgY cannot be determined, as the final preparation contains both antigen-specific IgY and non-immune IgY.</p>
Host	Chicken
Gene ID	4747
Gene Symbol	NEFL
Species	Human, Mouse, Rat, Porcine, Bovine
Marker	Neuronal Marker
Immunogen	Recombinant human NF-L protein
Notes	Chicken products cannot be exported to Canada.

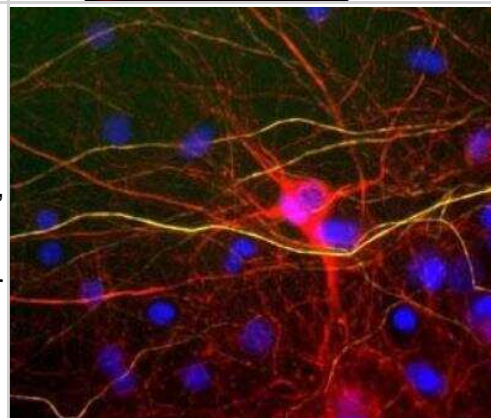
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:20000, Immunohistochemistry 1:4000, Immunocytochemistry/ Immunofluorescence 1:2000, Immunohistochemistry Free-Floating 1:2000
Application Notes	This 68kDa Neurofilament Light antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a band can be seen at ~68 kDa.

Images

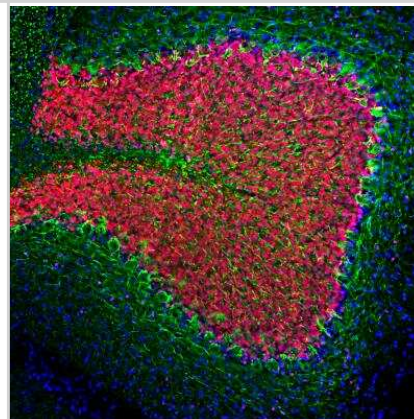
Western Blot: NF-L Antibody [NBP1-05219] - Analysis of tissue lysates probed with chicken pAb to NF-L, NBP1-05219, dilution 1:20,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord and [6] cow spinal cord. Strong bands at ~68kDa corresponds to NF-L proteins which are known to have slightly different apparent SDS-PAGE molecular weights across species boundaries.



Immunocytochemistry/Immunofluorescence: NF-L Antibody [NBP1-05219] - View of mixed neuron/glia cultures stained with NBP1-05219 (red) and rabbit antibody to phosphorylated NF-H (NB300-135, green). The NF-L protein is assembled into neurofilaments which are found throughout the axons, dendrites and perikarya of these cells. In contrast the phosphorylated NF-H has a much more restricted expression pattern, being found only in developed axonal neurofilaments. Since both proteins are found in neurofilaments, the red and green patterns overlap, so that neurofilaments containing NF-L and phosphorylated NF-H appear yellowish. In contrast neurofilaments containing only NF-L appear red.



Immunohistochemistry Free-Floating: NF-L Antibody [NBP1-05219] - Staining of rat cerebellum section stained with chicken pAb to NF-L, NBP1-05219, dilution 1:2,000 in green, and costained with mouse mAb to FOX3/NeuN, dilution 1:5,000 in red. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45uM, and free-floating sections were stained with above antibodies. NBP1-05219 antibody labels perikarya and processes of neuronal cells, particularly strongly the axons of basket cells, while the FOX3/NeuN antibody stains the nuclei and proximal cytoplasm of neurons.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-05219

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP2-59061PEP	NF-L Recombinant Protein Antigen

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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