

Product Datasheet

NF-L Antibody 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

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	0.035% Sodium Azide
Isotype	IgY
Purity	IgY purified
Buffer	Supplied as concentrated total IgY preparation from egg yolk. Exact concentration of target specific IgY is not quantifiable as the preparation contains both immune IgY specific for the target and also irrelevant, non-immune IgY.
Target Molecular Weight	68 kDa

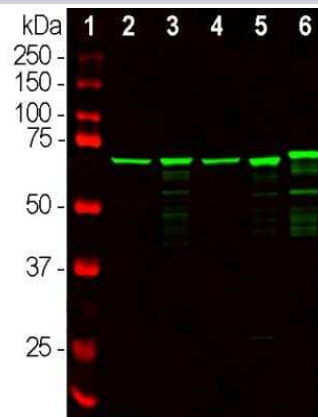
Product Description	
Host	Chicken
Gene ID	4747
Gene Symbol	NEFL
Species	Human, Mouse, Rat, Porcine, Bovine
Marker	Neuronal Marker
Immunogen	Recombinant human NF-L protein
Notes	Chicken products cannot be exported to Canada.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:5000, Immunohistochemistry 1:2000, 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.

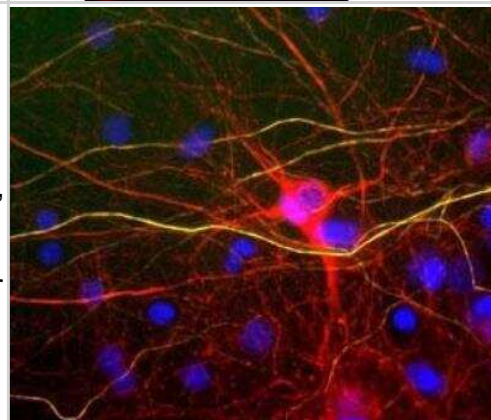


Images

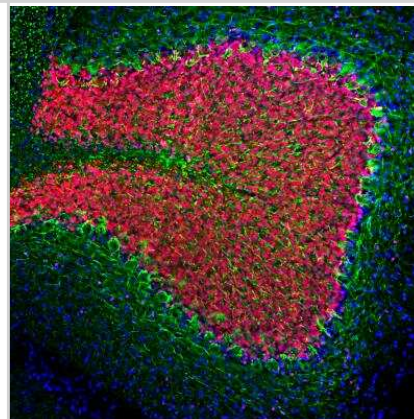
Western Blot: NF-L Antibody [NBP1-05219] - Analysis of tissue lysates probed with chicken pAb to NF-L, NBP1-05219, dilution 1:20,000 in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, [5] mouse spinal cord and [6] cow spinal cord. Strong bands at ~68kDa corresponds 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.





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Products Related to NBP1-05219

BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
NBP2-59061PEP	NF-L Recombinant Protein Antigen
7954-GM-010/CF	GM-CSF [Unconjugated]

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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