

# Product Datasheet

## NF-L Antibody (7D1) - BSA Free NBP2-50612

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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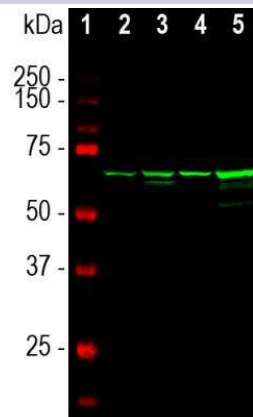
**NBP2-50612**

NF-L Antibody (7D1) - BSA Free

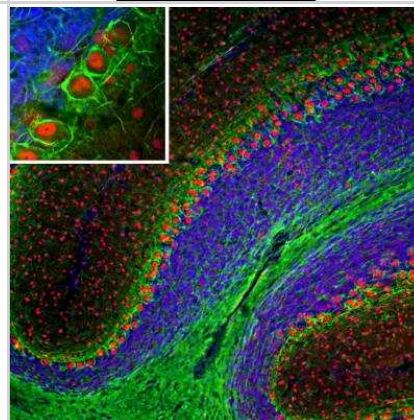
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	7D1
<b>Preservative</b>	0.035% Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Affinity purified
<b>Buffer</b>	50% PBS, 50% glycerol
<b>Target Molecular Weight</b>	68-70 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	4747
<b>Gene Symbol</b>	NEFL
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Equine
<b>Marker</b>	Neuronal Marker
<b>Immunogen</b>	Full length native protein purified from pig spinal cord
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:5000 - 1:10000, Immunohistochemistry 1:100-1:500, Immunocytochemistry/ Immunofluorescence 1:100 - 1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
<b>Application Notes</b>	For IHC application, the formalin fixation of the histological sections should be mild in order to achieve a better immunostaining. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

## Images

Western Blot: NF-L Antibody [NBP2-50612] - Western blot analysis of different tissue lysates using NBP2-50612 to NF-L, MCA-7D1, in green: [1] protein standard (red), [2] rat brain, [3] rat spinal cord, [4] mouse brain, and [5] mouse spinal cord. The strong band at 68kDa corresponds to the NF-L protein.



Immunocytochemistry/Immunofluorescence: NF-L Antibody [NBP2-50612] - Immunofluorescent analysis of a section of mouse cerebellum stained with NBP2-50612 in green, and co-stained with a chicken polyclonal antibody to FOX2 in red. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45uM, and free-floating sections were stained with above antibodies. NF-L antibody labels dendrites and axons of neuronal cells predominantly axons in white matter and basket cell axons associated with Purkinje cells. The FOX2 antibody reveals protein expressed in a subset of neurons, including the Purkinje cells.





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### **Products Related to NBP2-50612**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP2-59061PEP	NF-L Recombinant Protein Antigen

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### **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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