

# Product Datasheet

## NF-L Antibody (DA2) - BSA Free NB300-132

Unit Size: 0.05 ml

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

[www.novusbio.com](http://www.novusbio.com)



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**NB300-132**

NF-L Antibody (DA2) - BSA Free

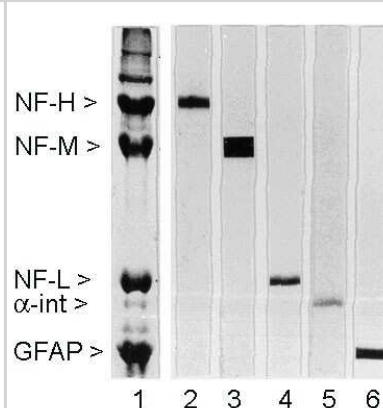
Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	DA2
Preservative	0.1% Sodium Azide
Isotype	IgG1 Kappa
Purity	Unpurified
Buffer	Ascites

Product Description	
Description	Novus Biologicals Mouse NF-L Antibody (DA2) - BSA Free (NB300-132) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-NF-L Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4747
Gene Symbol	NEFL
Species	Human, Mouse, Rat, Avian, Bovine, Mammal
Reactivity Notes	Bovine reactivity reported in scientific literature (PMID: 25819401).
Marker	Neuronal Marker
Specificity/Sensitivity	Specifically recognizes the light neurofilament subunit or NF-L (~68 kDa).
Immunogen	Native Neurofilament Light protein purified from pig spinal cord [UniProt# P02547]

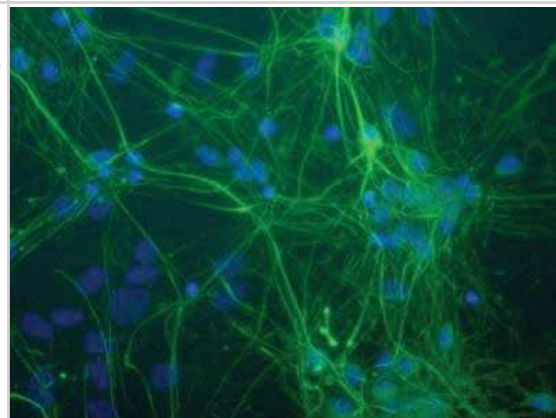
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:5000 - 1:10000, Simple Western 1:50, Immunohistochemistry 1:250, Immunocytochemistry/ Immunofluorescence 1:100 - 1:500, Immunohistochemistry-Paraffin reported in scientific literature (PMID 25565998)
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Human Brain lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:50, apparent MW was 81 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

## Images

Western Blot: NF-L Antibody (DA2) [NB300-132] - Rat spinal cord homogenate showing the major intermediate filament proteins of the nervous system (lane 1). The remaining lanes show blots of this material stained with various antibodies including NB300-132 (lane 4).



Immunocytochemistry/Immunofluorescence: NF-L Antibody (DA2) [NB300-132] - Staining of neurons in culture using NF-L monoclonal DA2 antibody (green) imaged with a 40X lens. Nuclei are stained blue. Photo Courtesy of Dr. Gerry Shaw.



Simple Western: NF-L Antibody (DA2) [NB300-132] - Image shows a specific band for NF-L in 0.5 mg/mL of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



## Publications

Xu Z, Shang J Neoneurogenesis in Squamous Cell Carcinoma of Tongue: A New Mechanism for Its Development OJST 2019-05-13 (IHC-P, Human)

Aboelenain M, Kawahara M, Balboula AZ et al. Status of autophagy, lysosome activity and apoptosis during corpus luteum regression in cattle. J Reprod Dev 2015-06-20 [PMID: 25819401]

Altabella L, Sbriccoli M, Zoratto F et al. Differential responses to acute administration of a new 5-HT7-R agonist as a function of adolescent pre-treatment: pHMRI and immuno-histochemical study. Front Behav Neurosci. 2015-01-08 [PMID: 25565998] (IHC-P, Rat)

Altabella L, Sbriccoli M, Zoratto F. Differential responses to acute administration of a new 5-HT7-R agonist as a function of adolescent pre-treatment: pHMRI and immuno-histochemical study name: Frontiers in behavioral neuroscience et al. 2014-01-01 [PMID: 25565998] (IHC-P, Rat)

King AE, Dickson TC, Blizzard CA et al. Excitotoxicity mediated by non-NMDA receptors causes distal axonopathy in long-term cultured spinal motor neurons. Eur J Neurosci. 2007-10-01 [PMID: 17908171] (ICC/IF, WB, Rat)



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### **Products Related to NB300-132**

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NBL1-13577	NF-L Overexpression Lysate
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]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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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