

Product Datasheet

RBFOX3/NeuN Antibody - BSA Free NBP3-05554-100ul

Unit Size: 100 ul

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

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NBP3-05554-100ul

RBFOX3/NeuN Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	5mM Sodium Azide
Purity	Affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	33.8 kDa

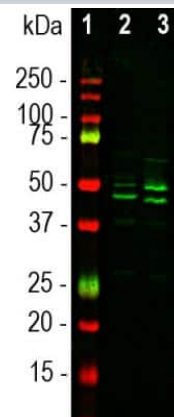
Product Description	
Description	Novus Biologicals Goat RBFOX3/NeuN Antibody - BSA Free (NBP3-05554) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-RBFOX3/NeuN Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	146713
Gene Symbol	RBFOX3
Species	Human, Mouse, Rat
Immunogen	N-terminal 100 amino acids of human RBFOX3/NeuN expressed in and purified from E. coli

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry 1:1000-1:5000, Immunocytochemistry/ Immunofluorescence 1:1000-1:5000

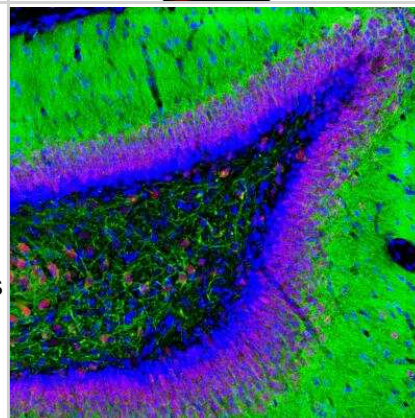


Images

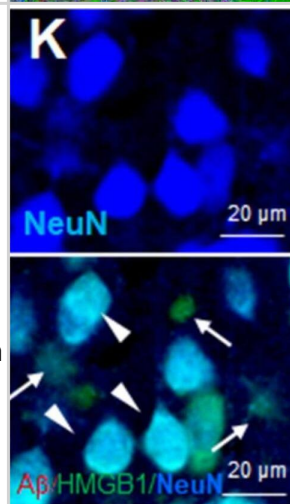
Western Blot: RBFOX3/NeuN Antibody [NBP3-05554] - Western blot analysis of whole brain lysates using RBFOX3/NeuN Antibody at a dilution of 1:1,000 in green: [1] protein standard (red), [2] mouse brain, [3] rat brain. Bands at 46k and 48 kDa correspond to protein isotypes of RBFOX3/NeuN.



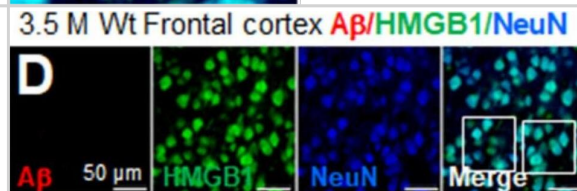
Immunocytochemistry/Immunofluorescence: RBFOX3/NeuN Antibody [NBP3-05554] - Immunofluorescent analysis of a section of adult rat hippocampus stained with RBFOX3/NeuN Antibody at a dilution of 1:2,000 in red, costained with mouse monoclonal antibody to MAP2 at a dilution of 1:2,000, in green. Nuclear DNA was revealed in blue using the DAPI stain. 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 the above antibodies. The RBFOX3/NeuN antibody stains the nuclei of neurons in the hippocampus while the MAP2 antibody stains the dendritic processes of neurons.



Cellular and subcellular localization of HMGB1 in the frontal cortices of 3.5 M Tg-APP/PS1 and age-matched control mice: Coronal brain sections were prepared from 3.5 M Tg (G–L) and age-matched control (A–F) mice, and triple-immunofluorescence staining was conducted with anti-A β , anti-HMGB1, and anti-Iba1 (A–C,G–I) or anti-A β , anti-HMGB1, and anti-NeuN (D–F,J–L) antibodies. Arrows indicate anti-HMGB1 immunoreactivity in microglia (B,C,H,I) or NeuN-negative cells (E,F,K,L). Arrowheads indicate anti-HMGB1 immunoreactivity in neurons (E,F,K,L) or Iba1-negative cells (H,I). The double arrow in (H) indicates anti-HMGB1 immunoreactivity in the cytoplasm of microglia, and the double arrowhead in (I) indicates anti-HMGB1 immunoreactivity in the cytoplasm of Iba1-negative cells (neurons). Scale bars represent 20 or 50 μ m. Image collected and cropped by CiteAb from the following open publication (<https://www.mdpi.com/2073-4409/13/2/189>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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Publications

Wang Y, Dang Z, Wang X et al. Obacunone Alleviates Chronic Pelvic Pain and Pro-Inflammatory Depolarization of Macrophage Induced by Experimental Autoimmune Prostatitis in Mice Available at SSRN 2023-01-01 (Immunohistochemistry, Mouse)

Yadong Wang, Zhaohui Dang, Xu Wang, Yuanyuan Chen, Peng Dong, Gang Liu, Weibin Tan, Zhong Gui, Fan Bu, Feng Lin, Chaozhao Liang Obacunone alleviates chronic pelvic pain and pro-inflammatory depolarization of macrophage induced by experimental autoimmune prostatitis in mice Biochemistry and Biophysics Reports 2023-10-31 [PMID: 37965064]

Song-I Seol, Dashdulam Davaanyam, Sang-A Oh, Eun-Hwa Lee, Pyung-Lim Han, Seung-Woo Kim, Ja-Kyeong Lee, Ines Moreno-Gonzalez, Rosanna Dono, Joana A. Loureiro, Claudia Duran-Aniotz Age-Dependent and A β -Induced Dynamic Changes in the Subcellular Localization of HMGB1 in Neurons and Microglia in the Brains of an Animal Model of Alzheimer's Disease Cells 2024-01-18 [PMID: 38247880]

Bu F, Li Y, Lan S et al. Blocking Pannexin-1 Channels Alleviates Thalamic Hemorrhage-Induced Pain and Inflammatory Depolarization of Microglia in Mice ACS chemical neuroscience 2023-06-28 [PMID: 37377340]

Enders J, Jack J, Thomas S et al. Ketolysis is required for the proper development and function of the somatosensory nervous system Experimental neurology 2023-04-24 [PMID: 37100111] (IHC, Mouse)

Jiang W, He F, Ding G, Wu J Elamipretide reduces pyroptosis and improves functional recovery after spinal cord injury CNS neuroscience & therapeutics 2023-04-20 [PMID: 37081763] (ICC/IF)

Jiang W, He F, Ding G, Wu J Dopamine inhibits pyroptosis and attenuates secondary damage after spinal cord injury in female mice Neuroscience letters Oct 25 2022 12:00AM [PMID: 36307053] (ICC/IF, Mouse)

Jiang W, He F, Ding G, Wu J Topotecan Reduces Neuron Death after Spinal Cord Injury by Suppressing Caspase-1-Dependent Pyroptosis Molecular neurobiology Jul 18 2022 12:00AM [PMID: 35851945]





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Products Related to NBP3-05554-100ul

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NBP1-77686PEP	RBFOX3/NeuN Antibody Blocking Peptide

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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