

# Product Datasheet

## RBFOX3/NeuN Antibody - BSA Free NBP1-92716

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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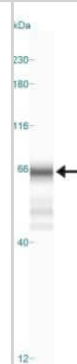
**NBP1-92716**

RBFOX3/NeuN Antibody - BSA Free

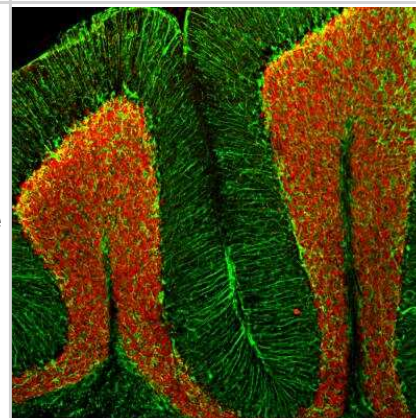
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.035% Sodium Azide
Purity	Affinity purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	33.8 kDa
Product Description	
Host	Rabbit
Gene ID	146713
Gene Symbol	RBFOX3
Species	Human, Mouse, Rat
Marker	Neuronal Marker
Immunogen	The N-terminal 100 amino acids of human RBFOX3/NeuN as expressed in and purified from E. coli. [UniProt# A6NFN3]
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:5000-1:10000, Simple Western 1:500, Immunohistochemistry 1:500-1:1000, Immunocytochemistry/ Immunofluorescence 1:500-1:1000, Immunohistochemistry-Frozen, Immunohistochemistry Free-Floating 1:500-1:1000
Application Notes	<p>This RBFOX3/NeuN antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where bands can be seen at 46-48 kDa. Use in IHC-Fr reported in scientific literature (PMID 24508637)</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>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 1:500, apparent MW was 65 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.</p>

## Images

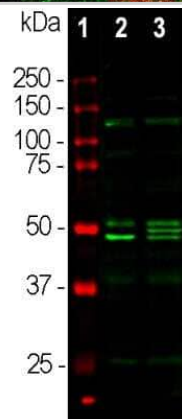
Simple Western: RBFOX3/NeuN Antibody [NBP1-92716] - Simple Western lane view shows a specific band for RBFOX3/NeuN in 0.5 mg/ml of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Immunohistochemistry Free-Floating: RBFOX3/NeuN Antibody [NBP1-92716] - Analysis of a section of adult mouse cerebellum stained with rabbit pAb to FOX3/NeuN, NBP1-92716, dilution 1:5,000 in red, costained with chicken pAb to GFAP, dilution 1:5,000, in green. Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45µm, and free-floating sections were stained with above antibodies. The FOX3/NeuN antibody stains the nuclei of neurons in the cerebellar granule layer. The GFAP antibody stains the processes of Bergmann glia in the molecular layer and astroglia in the granule and white matter layers.



Western Blot: RBFOX3/NeuN Antibody [NBP1-92716] - Analysis of whole brain lysates using rabbit pAb to Fox3/NeuN, NBP1-92716, dilution 1:1,000 in green: [1] protein standard (red), [2] mouse brain, [3] rat brain. Bands at 46-48kDa correspond to protein isoforms of Fox3/NeuN.



## Publications

Ho J, Sukati S, Taylor T et Al. Extracellular vesicles released by ALL patients contain HNE-adducted proteins: Implications of collateral damage *Free Radic Biol Med* 2024-12-04 [PMID: 39643137]

Arzate, DM;Guerra-Crespo, M;Covarrubias, L; Induction of typical and atypical neurogenesis in the adult substantia nigra after mouse embryonic stem cells transplantation *Neuroscience* 2019-04-26 [PMID: 31034794] (IF/IHC, Mouse)

Zhang QG, Wang R, Tang H et al. Brain-derived estrogen exerts anti-inflammatory and neuroprotective actions in the rat hippocampus. *Mol Cell Endocrinol.* 2014-03-03 [PMID: 24508637] (IHC-Fr, Rat)

### Details:

NeuN antibody used for IHC-Fr on cryosections of rat brain - 4% paraformaldehyde fixation/cryoprotection with 30% sucrose-0.1M PBS pH 7.4, OCT embedding/20µm thick sections of dorsal hippocampus, blocked with 10% normal donkey serum- PBS- 0.1% Triton X-100 for 1 hour RT, Primary used at 1:500 dilution/ON 4C incubation (see full text for detailed protocol and staining images).



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### **Products Related to NBP1-92716**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP1-77686PEP	RBFOX3/NeuN Antibody Blocking Peptide
DBD00	BDNF [HRP]

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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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