

# Product Datasheet

## RBFOX3/NeuN Antibody (NeuN/6694R)

### NBP3-13858-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP3-13858-100ug**

RBFOX3/NeuN Antibody (NeuN/6694R)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	NeuN/6694R
Preservative	0.05% Sodium Azide
Isotype	IgG Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	38 kDa

Product Description	
Description	<p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP3-14008)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</p>
Host	Rabbit
Gene ID	146713
Gene Symbol	RBFOX3
Species	Human
Marker	Neuronal Marker
Specificity/Sensitivity	<p>NeuN antibody specifically recognizes the DNA-binding, neuron-specific protein NeuN, which is present in most CNS and PNS neuronal cell types of all vertebrates tested. NeuN protein distributions are apparently restricted to neuronal nuclei and some proximal neuronal processes in both fetal and adult brain although, some neurons fail to be recognized by NeuN at all ages: INL retinal cells, Cajal-Retzius cells, Purkinje cells, inferior olivary and dentate nucleus neurons, and sympathetic ganglion cells are examples.</p> <p>Immunohistochemically detectable NeuN protein first appears at developmental timepoints that correspond with the withdrawal of the neuron from the cell cycle and/or with the initiation of terminal differentiation of the neuro. Immunoreactivity appears around E9.5 in the mouse neural tube and is extensive throughout the developing nervous system by E12.5. Strong nuclear staining suggests a nuclear regulatory protein function; however, no evidence currently exists as to whether the NeuN protein antigen has a function in the distal cytoplasm or whether it is merely synthesized there before being transported back into the nucleus. No difference between protein isolated from purified nuclei and whole brain extract on immunoblots has been found.</p>
Immunogen	A synthetic peptide corresponding to residues within aa30-60 of human RBFOX3/NeuN protein (exact sequence is proprietary) (Uniprot: A6NFN3)

Product Application Details	
Applications	Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin 1-2 ug/ml

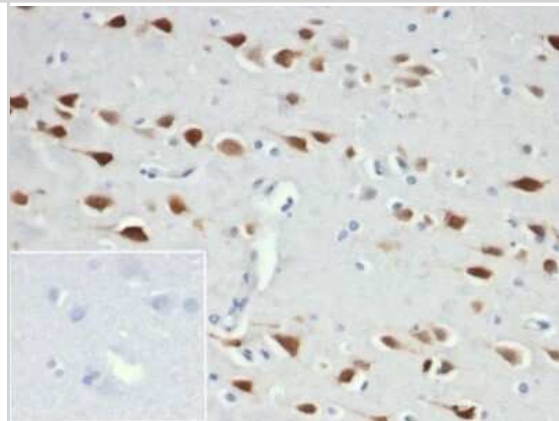


**Application Notes**

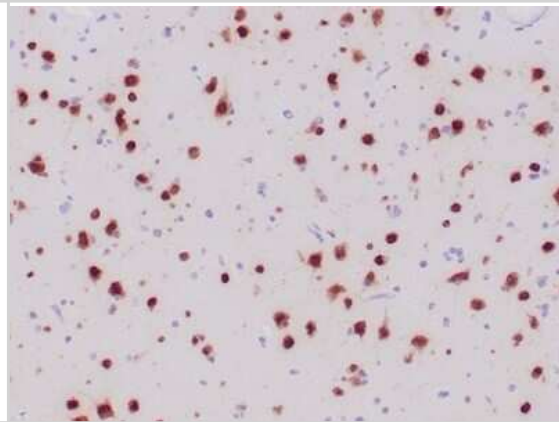
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes

**Images**

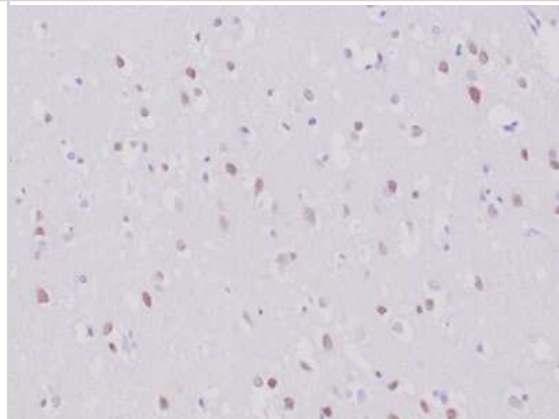
Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (NeuN/6694R) [NBP3-13858] - Formalin-fixed, paraffin-embedded human brain stained with RBFOX3/NeuN antibody (NeuN/6694R). Inset: PBS instead of primary antibody, secondary control.



Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (NeuN/6694R) [NBP3-13858] - Formalin-fixed, paraffin-embedded human ganglioma stained with RBFOX3/NeuN antibody (NeuN/6694R).



Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (NeuN/6694R) [NBP3-13858] - Formalin-fixed, paraffin-embedded human cerebrum stained with RBFOX3/NeuN antibody (NeuN/6694R).





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### **Products Related to NBP3-13858-100ug**

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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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