

# Product Datasheet

## **RBFOX3/NeuN Antibody** **NBP1-77686SS**

Unit Size: 0.025 ml

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

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



[support@novusbio.com](mailto:support@novusbio.com)

### **Publications: 1**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-77686](http://www.novusbio.com/NBP1-77686)

Updated 6/15/2014 v.20.1

**NBP1-77686SS**

## RBFOX3/NeuN Antibody

Product Information	
Unit Size	0.025 ml
Concentration	1.12 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	PBS, 30% glycerol

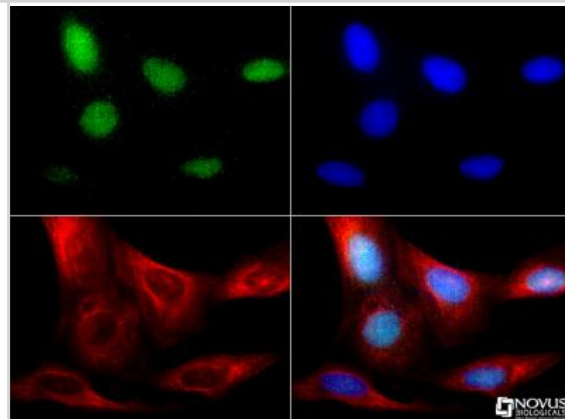
Product Description	
Host	Rabbit
Gene ID	146713
Gene Symbol	RBFOX3
Species	Human, Mouse, Rat
Species Reactivity	Human, rat and mouse. Immunogen has 95% identity to bovine.
Marker	Neuronal Marker
Immunogen	A synthetic peptide made to an internal region of the human RBFOX3/NeuN protein (within residues 20-100). [Swiss-Prot A6NFN3]

Product Application Details	
Applications	Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry Free-Floating
Recommended Dilutions	Immunocytochemistry/Immunofluorescence 1:50-1:100, Immunohistochemistry 1:200, Immunohistochemistry Free-Floating, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin 1:200
Application Notes	This RBFOX3/NeuN antibody is useful for ICC/IF and Immunohistochemistry-paraffin embedded sections. In ICC/IF, nuclear staining was observed in U2OS cells. In IHC-P, staining was observed in the nuclei of mouse brain cells. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended. IHC-Fr / IHC-FrFI application reported at 1:100 dilution with detailed protocol in PMID 22771622.

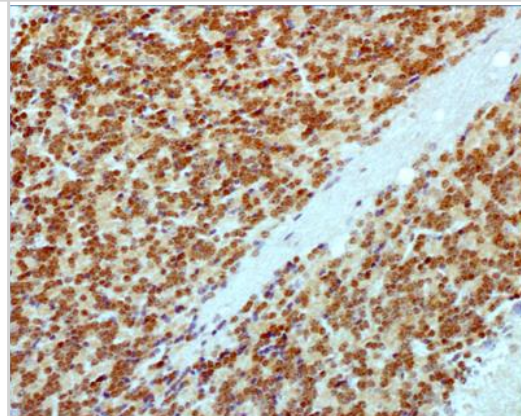


## Images

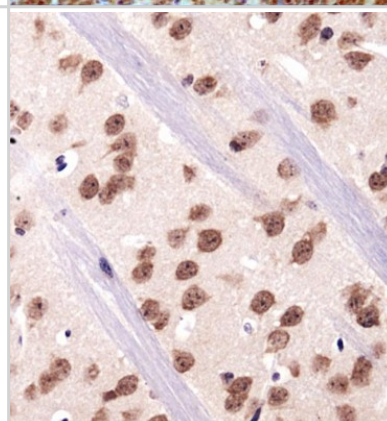
Immunocytochemistry/Immunofluorescence: RBFOX3/NeuN Antibody [NBP1-77686] - NeuN/RBFOX3 antibody was tested in U2OS cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI(blue) and Dylight 550 (red).



Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody [NBP1-77686] - IHC analysis of formalin fixed paraffin embedded tissue section from hippocampus of Mouse with RBFOX3/NeuN antibody at 1:200 dilution. The antibody generated a strong nuclear with weak cytoplasmic staining in NeuN reactive cells.



Immunohistochemistry: RBFOX3/NeuN Antibody [NBP1-77686] - Analysis of RBFOX3/NeuN in mouse brain using DAB with hematoxylin counterstain.



## Publications

Samano C, Nasrabady SE, Nistri A. A study of the potential neuroprotective effect of riluzole on locomotor networks of the neonatal rat spinal cord in vitro damaged by excitotoxicity Neuroscience 2012 Jul 4 [PMID: 22771622] (IHC, ICC/IF, Rat)

## Procedures

### Immunohistochemistry-Paraffin Embedded Sections protocol specific for RBFOX/Neun antibody (NBP1-77686)

#### Immunohistochemistry-Paraffin Embedded Sections

##### Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

##### Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.

\*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.

### Immunocytochemistry/Immunofluorescence Protocol for RBFOX3/NeuN Antibody (NBP1-77686)

#### Immunocytochemistry Protocol

Culture cells to appropriate density in 35 mm culture dishes or 6-well plates.

1. Remove culture medium and add 10% formalin to the dish. Fix at room temperature for 30 minutes.
2. Remove the formalin and add ice cold methanol. Incubate for 5-10 minutes.
3. Remove methanol and add washing solution (i.e. PBS). Be sure to not let the specimen dry out. Wash three times for 10 minutes.
4. To block nonspecific antibody binding incubate in 10% normal goat serum from 1 hour to overnight at room temperature.
5. Add primary antibody at appropriate dilution and incubate at room temperature from 2 hours to overnight at room temperature.
6. Remove primary antibody and replace with washing solution. Wash three times for 10 minutes.
7. Add secondary antibody at appropriate dilution. Incubate for 1 hour at room temperature.
8. Remove antibody and replace with wash solution, then wash for 10 minutes. Add Hoechst 33258 to wash solution at 1:25,000 and incubate for 10 minutes. Wash a third time for 10 minutes.
9. Cells can be viewed directly after washing. The plates can also be stored in PBS containing Azide covered in Parafilm (TM). Cells can also be cover-slipped using Fluoromount, with appropriate sealing.

\*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.





### **Novus Biologicals USA**

8100 Southpark Way, A-8  
Littleton, CO 80120  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
novus@novusbio.com

### **Novus Biologicals Canada**

461 North Service Road West, Unit B37  
Oakville, ON L6M 2V5  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada@novusbio.com

### **Novus Biologicals Europe**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **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.

**For more information on our guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

