

Product Datasheet

RBFOX3/NeuN Antibody (SR45-07) NBP2-67314

Unit Size: 100 ul

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

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NBP2-67314

RBFOX3/NeuN Antibody (SR45-07)

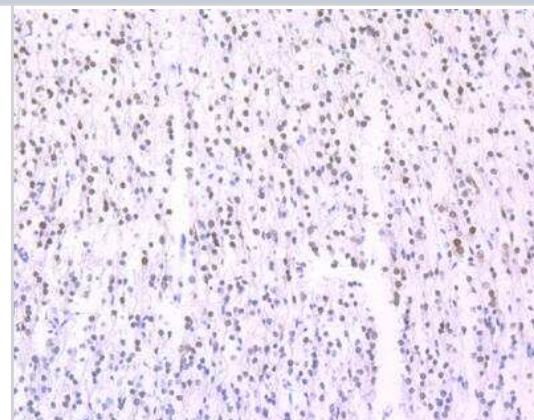
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SR45-07
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	34 kDa

Product Description	
Host	Rabbit
Gene ID	146713
Gene Symbol	RBFOX3
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within human RBFOX3/NeuN aa 20-60. (SwissProt: A6NFN3 Human; SwissProt: Q8BIF2 Mouse; Unigene:143966 Rat)

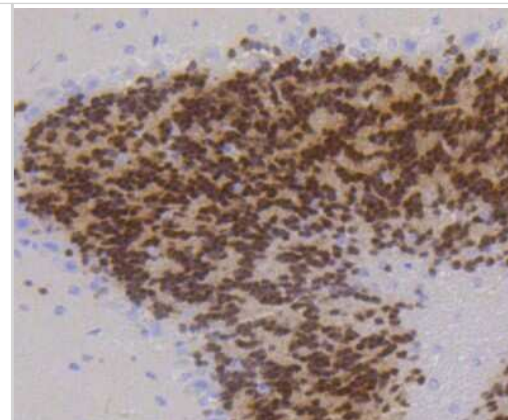
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Multiplex Immunoassay
Recommended Dilutions	Western Blot 1:500, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:200-1:500, Immunohistochemistry-Frozen 1:50-1:100, Multiplex Immunoassay Multiplex IHC: 1:10000

Images

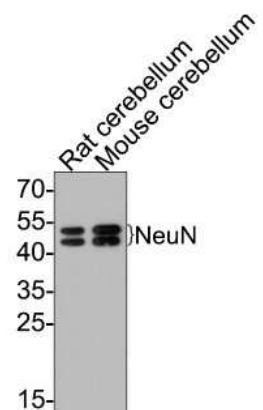
Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Human brain tissue using anti-NeuN antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



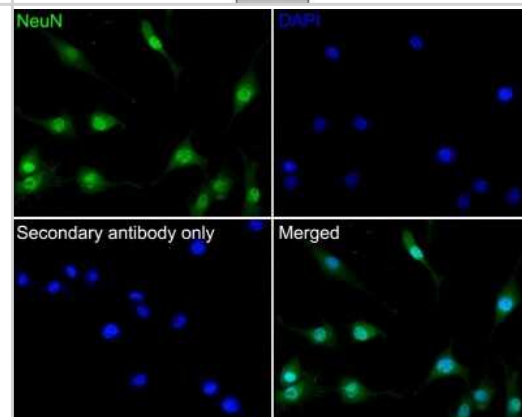
Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Analysis of paraffin-embedded mouse cerebellum tissue using anti-NeuN antibody. Counter stained with hematoxylin.



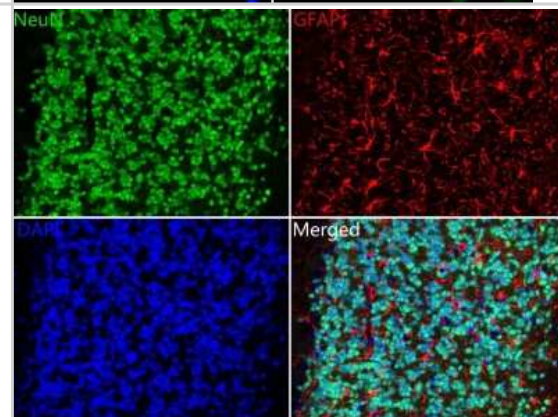
Western Blot: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Analysis of RBFOX/NeuN on different lysates with Rabbit anti-RBFOX/NeuN antibody at 1/500 dilution. Lane 1: Rat cerebellum tissue lysate Lane 2: Mouse cerebellum tissue lysate Lysates/proteins at 20 ug/Lane. Predicted band size: 34 kDa Observed band size: 45/50 kDa Exposure time: 2 minutes; 12% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/500 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



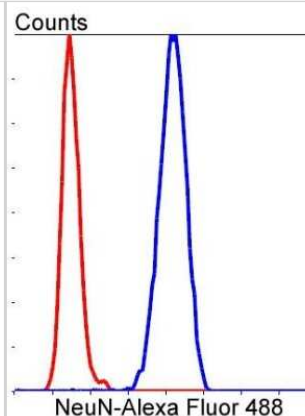
Immunocytochemistry/Immunofluorescence: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Analysis of SHG-44 cells labeling RBFOX3/NeuN with Rabbit anti-RBFOX3/NeuN antibody (permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-NeuN antibody was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



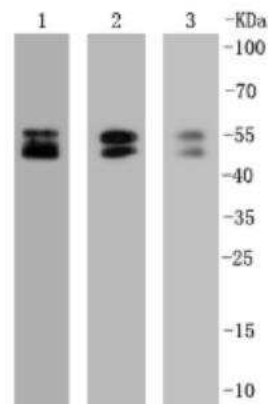
Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Immunofluorescence analysis of paraffin-embedded Rat cerebellum tissue labeling NeuN (washed with PBS. And then probed with the primary antibodies NeuN (Green) at 1/50 dilution and GFAP (Red) at 1/500 dilution overnight at 4 , washed with PBS. iFluor(TM) 488 conjugate-Goat anti-Rabbit IgG and iFluor(TM) 594 conjugate-Goat anti-Mouse IgG were used as the secondary antibody at 1/1,000 dilution. DAPI was used as nuclear counterstain.



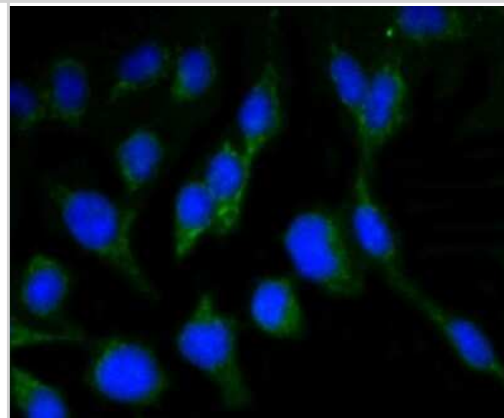
Flow Cytometry: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Analysis of SH-SY-5Y cells with NeuN antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



Western Blot: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Analysis of NeuN on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: human brain tissue lysate Lane 2: rat brain tissue lysate Lane 3: mouse brain tissue lysate



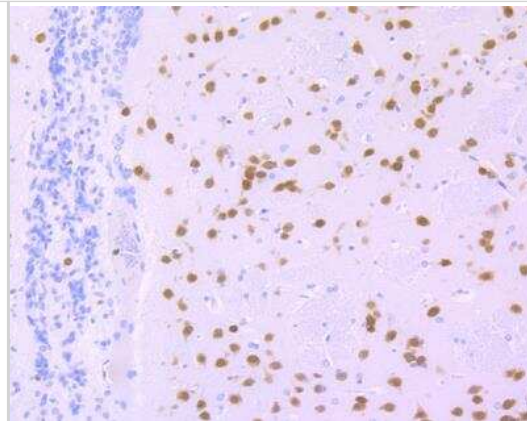
Immunocytochemistry/Immunofluorescence: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Staining NeuN in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



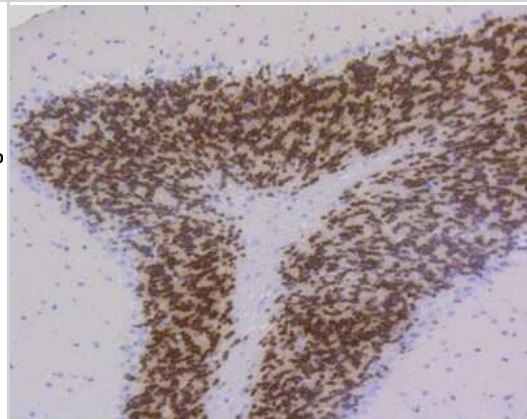
Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Mouse brain tissue using anti-NeuN antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



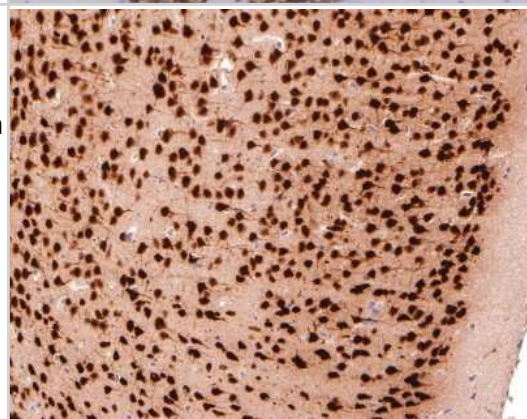
Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Rat brain tissue using anti-NeuN antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/200) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



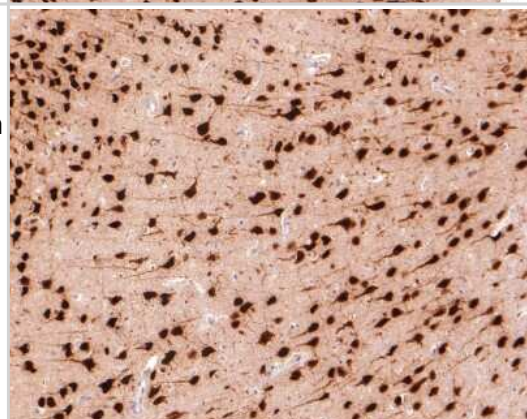
Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using anti-RBFOX3/NeuN antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5%



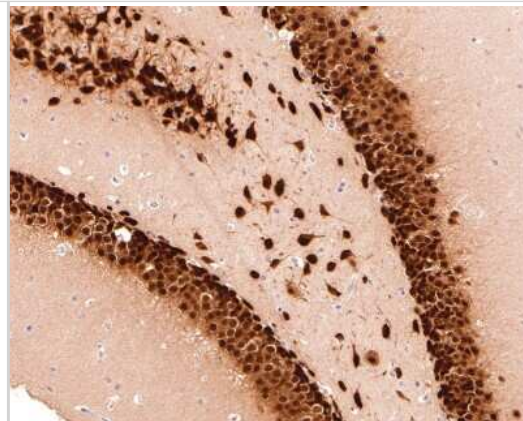
Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Analysis of paraffin-embedded mouse brain tissue with Rabbit anti-ROBX3/NeuN antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



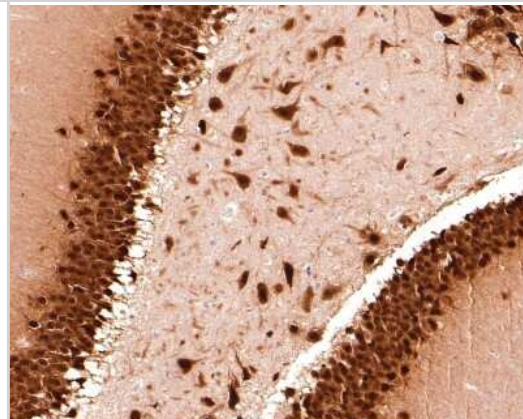
Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Analysis of paraffin-embedded rat brain tissue with Rabbit anti-RBFOX3/NeuN antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Analysis of paraffin-embedded mouse hippocampus tissue with Rabbit anti-RBFOX3/NeuN antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: RBFOX3/NeuN Antibody (SR45-07) [NBP2-67314] - Analysis of paraffin-embedded rat hippocampus tissue with Rabbit anti-RBFOX/NeuN antibody washed with ddH₂O and PBS, and then probed with the primary antibody at 1/500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-77686PEP	RBFOX3/NeuN Antibody Blocking Peptide

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