

## Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody

Catalog Number: M11954

### About RBFOX3

Putative transcription factor involved in pancreas development and function.

### Overview

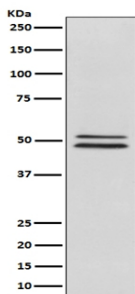
Product Name	Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody catalog # M11954. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal AO-18
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	A6NFN3

### Technical Details

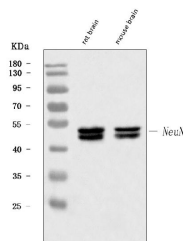
Immunogen	A synthesized peptide derived from human NeuN
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:1000-1:2000</p> <p>IHC 1:500-1:2000</p> <p>ICC/IF 1:50-1:200</p>

FC 1:50

## Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody (M11954) Images



Western blot analysis of NeuN expression in human fetal brain lysate.



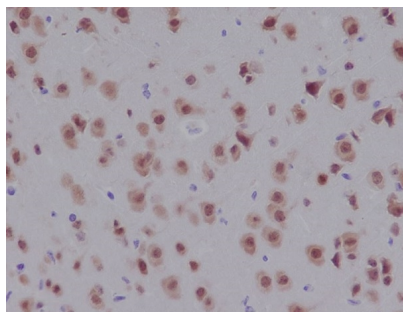
Western blot analysis of NeuN using anti-NeuN antibody (M11954).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat brain tissue lysates,

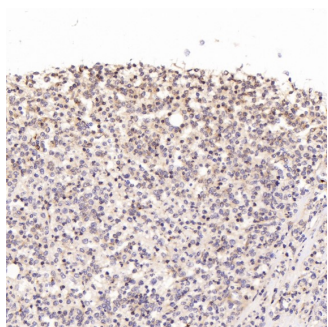
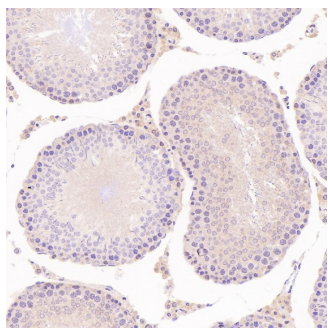
Lane 2: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-NeuN antigen affinity purified monoclonal antibody (Catalog # M11954) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NeuN at approximately 46-55 kDa. The expected band size for NeuN is at 34 kDa.

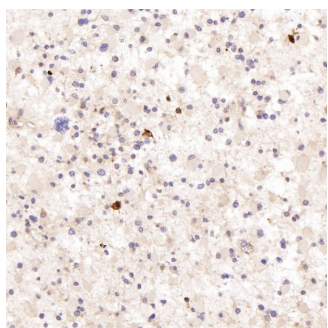


Immunohistochemical analysis of paraffin-embedded mouse brain, using NeuN Antibody.

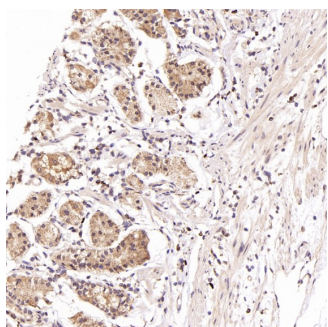
Immunohistochemical analysis of paraffin-embedded Rat testis, using the Antibody at 1:1000 dilution.



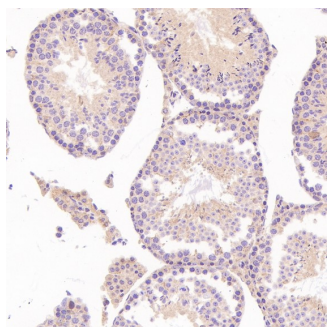
Immunohistochemical analysis of paraffin-embedded Human Hodgkin's Lymphoma, using the Antibody at 1:500 dilution.



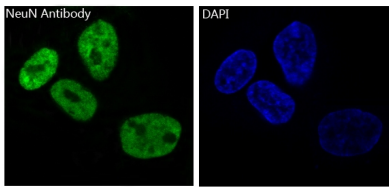
Immunohistochemical analysis of paraffin-embedded Human astrocytoma, using the Antibody at 1:500 dilution.



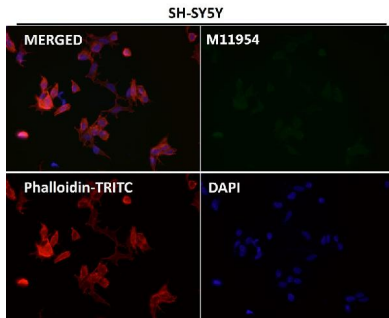
Immunohistochemical analysis of paraffin-embedded Human stomach, using the Antibody at 1:500 dilution.



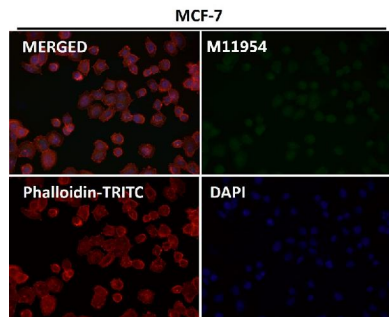
Immunohistochemical analysis of paraffin-embedded Mouse testis, using the Antibody at 1:1000 dilution.



Immunofluorescent analysis of SH-SY5Y cells, using NeuN Antibody .



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

## 7 Publications Citing This Product

1. PubMed ID: -, Lanfen Chen,Wei Chen,Mengbei Zhang et al.Comparison of therapeutic effects of melatonin by two different routes in focal cerebral ischemic rats.Journal of Neurorestoratology 2019,07(01):47-53.
2. PubMed ID: 33692421, Manganas LN, Durá I, Osenberg S, Semerci F, Tosun M, Mishra R, Parkitny L, Encinas JM, Maletic-Savatic M. BASP1 labels neural stem cells in the neurogenic niches of mammalian brain. Sci Rep. 2021 Mar 10;11(1):5546. doi: 10.1038/s41598-021-85129-1. PMID: 33692421; PMCID: PMC7970918.
3. PubMed ID: 32593156, Li X,Shi MQ,Chen C,Du JR.Phthalide derivative CD21 ameliorates ischemic brain injury in a mouse model of global cerebral ischemia: involvement of inhibition of NLRP3.Int Immunopharmacol.2020 Sep;86:106714.doi: 10.1016/j.intimp.2020.106714.Epub 2020 Jun 24

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