

Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody
Catalog # ABO13380

Specification

Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	A6NFN3
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody - Additional Information

Gene ID 146713

Other Names

RNA binding protein fox-1 homolog 3, Fox-1 homolog C, Neuronal nuclei antigen, NeuN antigen, RBFOX3

Calculated MW

33873 MW KDa

Application Details

WB 1:1000-1:2000
IHC 1:500-1:2000
ICC/IF 1:50-1:200
FC 1:50

Subcellular Localization

Nucleus. Cytoplasm.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human NeuN

Purification

Affinity-chromatography

Storage

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.

Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody - Protein Information

Name RBFOX3

Function

Pre-mRNA alternative splicing regulator. Regulates alternative splicing of RBFOX2 to enhance the production of mRNA species that are targeted for nonsense-mediated decay (NMD).

Cellular Location

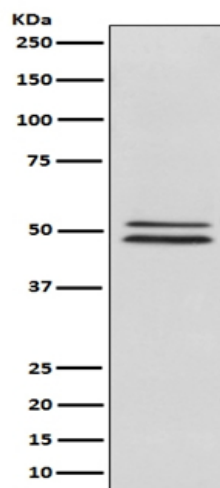
Nucleus. Cytoplasm. Note=Largely restricted to neuronal nuclei. However, significant cytoplasmic localization in neurons from brains from HIV-infected individuals with cognitive impairment

Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody - Protocols

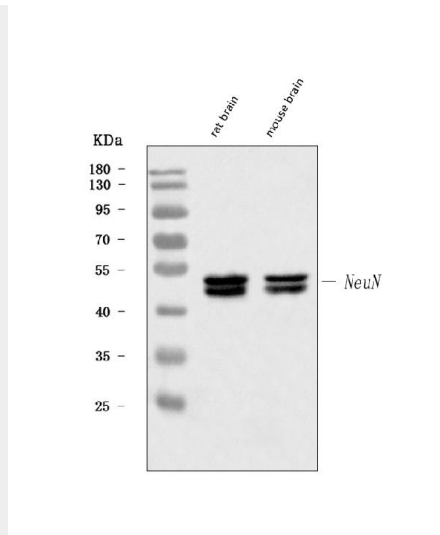
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody - Images



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

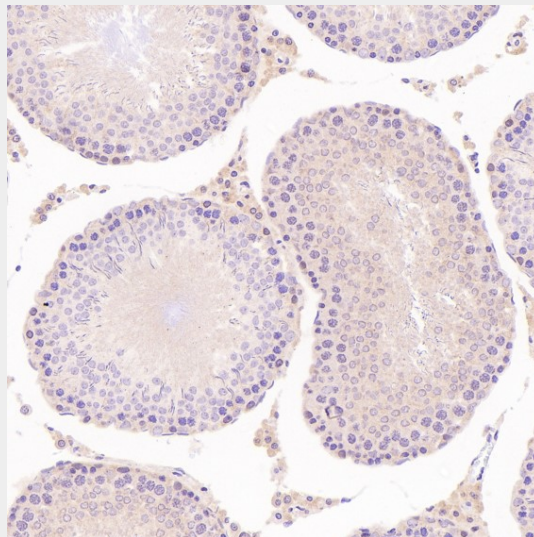


Western blot analysis of NeuN using anti-NeuN antibody (M11954).

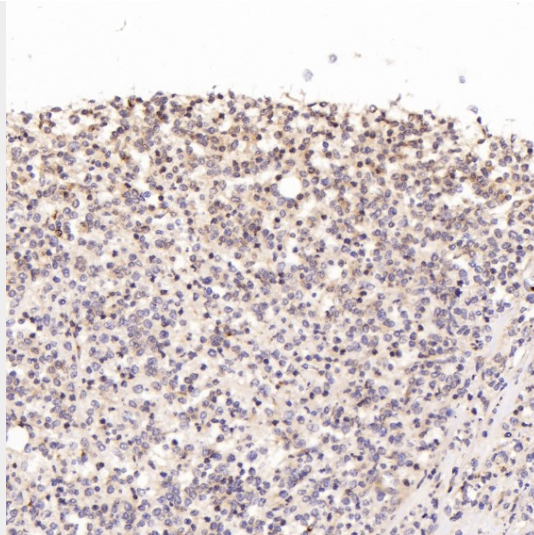
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat brain tissue lysates,
 Lane 2: mouse brain tissue lysates.

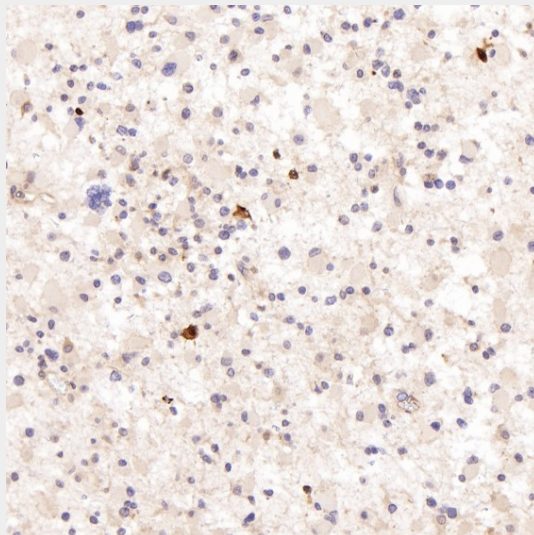
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-NeuN antigen affinity purified monoclonal antibody (Catalog # M11954) at 1:1000 overnight 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.



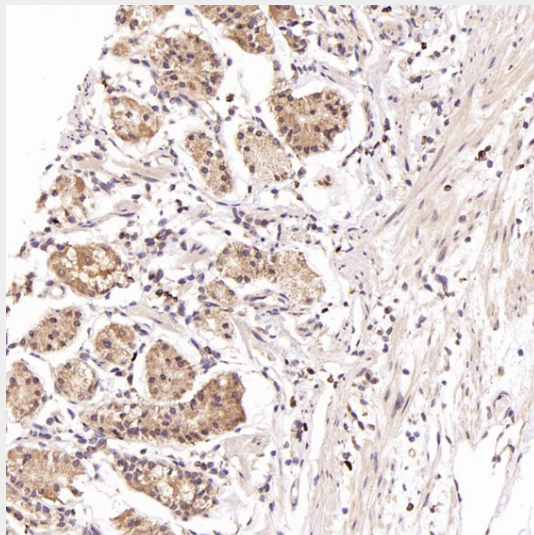
Immunohistochemical analysis of paraffin-embedded Rat testis, using the Antibody at 1:1000 dilution.



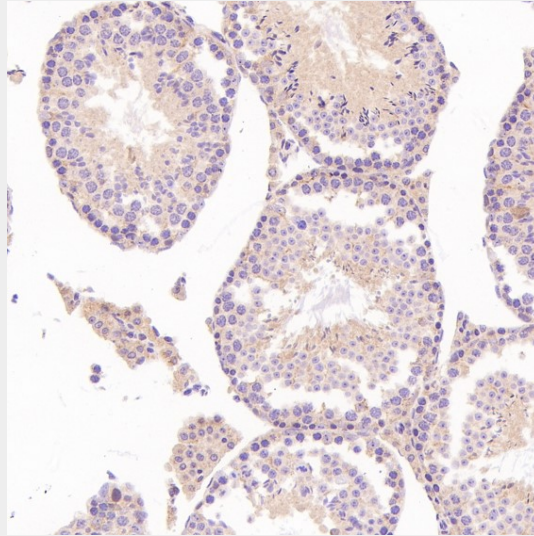
Immunohistochemical analysis of paraffin-embedded Human Hodgkin's lymphoma, using the Antibody at 1:500 dilution.



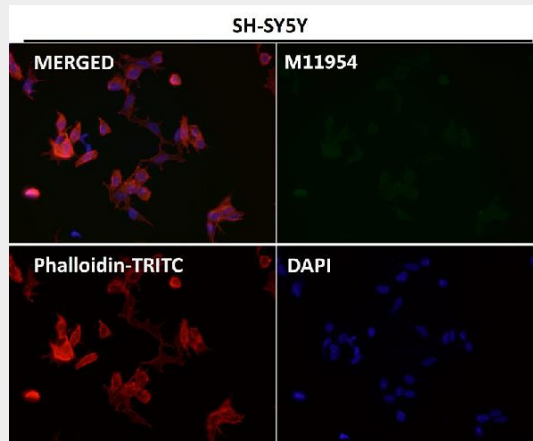
Immunohistochemical analysis of paraffin-embedded Human astrocytoma, using the Antibody at 1:500 dilution.



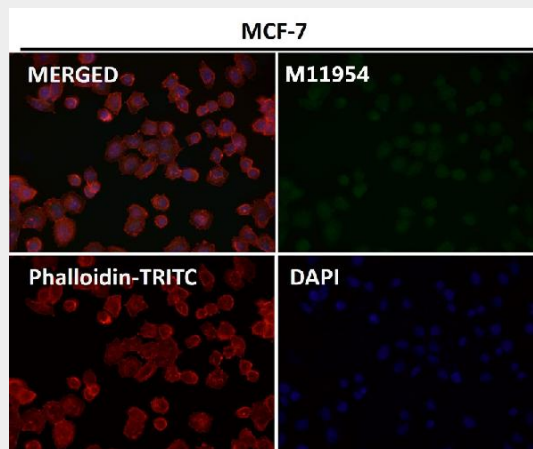
Immunohistochemical analysis of paraffin-embedded Human stomach, using the Antibody at 1:500 dilution.



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



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.