Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody
Catalog # ABO13380

Specification

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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

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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 Cytomety
- Cell Culture

Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody - Images
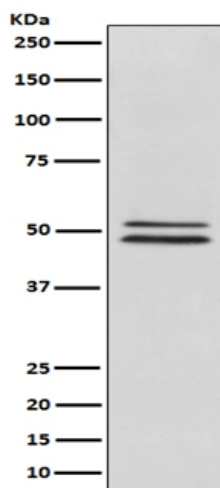
Western blot analysis of NeuN expression in human fetal brain lysate.
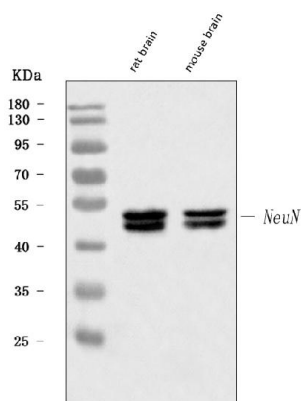
Western blot analysis of NeuN using anti-NeuN antibody (M11954).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat brain tissue lysates,
Lane 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.
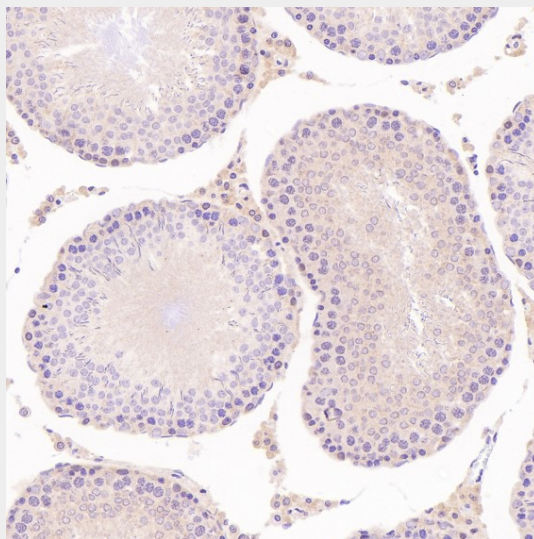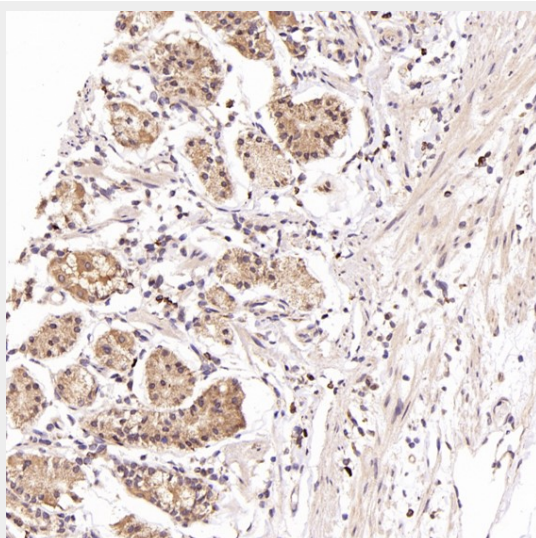

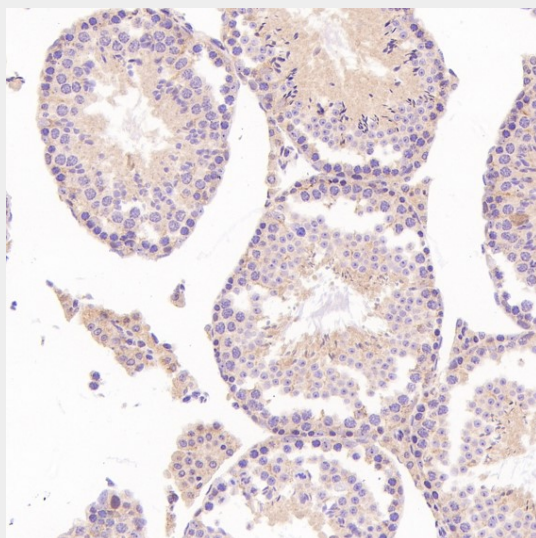Immunohistochemical analysis of paraffin-embedded Rat testis, using the Antibody at 1:1000 dilution.
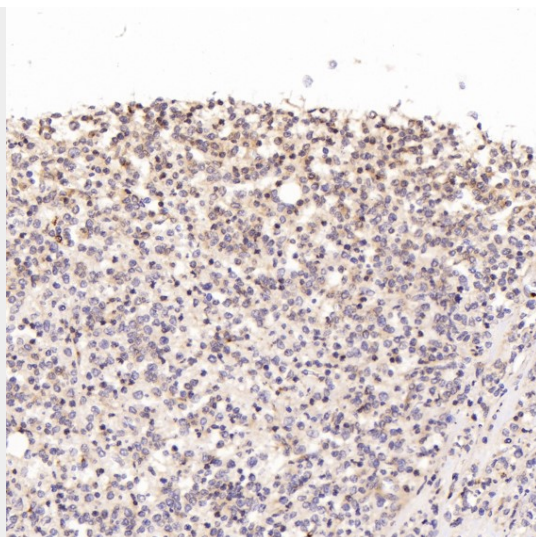
Immunohistochemical analysis of paraffin-embedded Human Hodgkin's lymphoma, using the Antibody at 1:500 dilution.
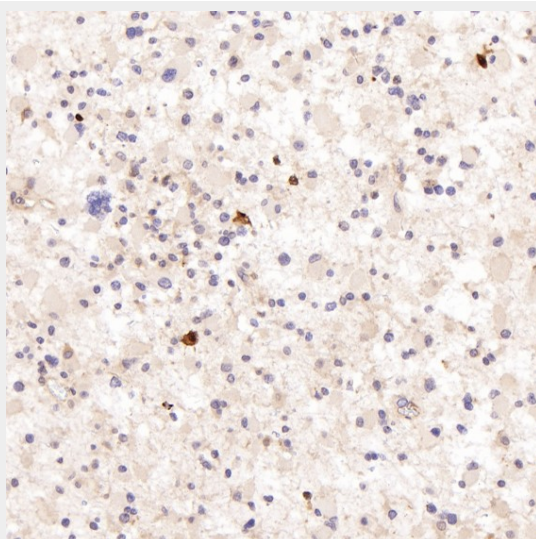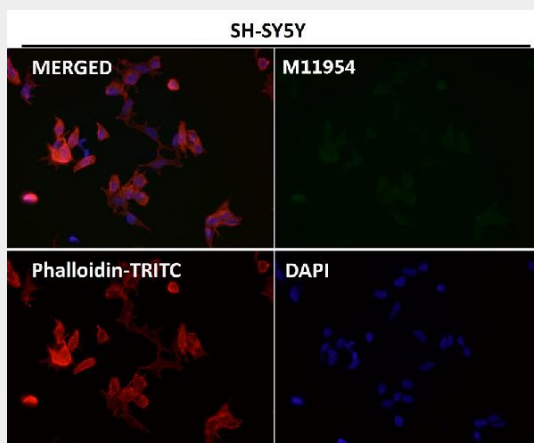

Immunohistochemical analysis of paraffin-embedded Human astrocytoma, using the Antibody at 1:500 dilution.
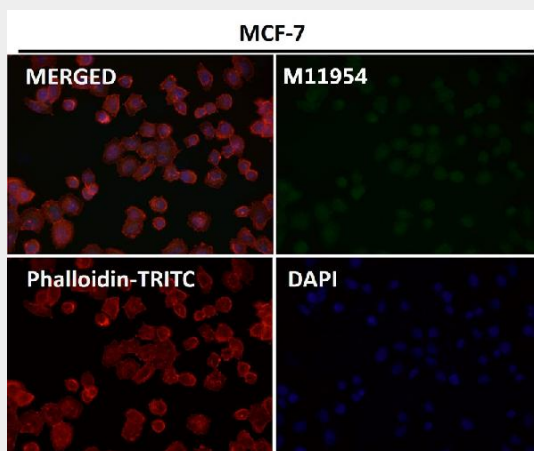
Immunohistochemical analysis of paraffin-embedded Human stomach, using the Antibody at 1:500 dilution.

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.