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# Anti-NeuN RBFOX3 Rabbit Monoclonal Antibody

Catalog # ABO13380

## Product Information

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|---|---|
| **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. |

## Additional Information

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| **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 |
| **Application Details** | WB 1:1000-1:2000<br>IHC 1:500-1:2000<br>ICC/IF 1:50-1:200<br>FC 1:50 |
| **Subcellular Localization** | Nucleus. Cytoplasm. |
| **Source** | Eukaryota |
| **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. |
| **Clone Names** | Clone: AO-18 |
| **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. |

## Protein Information

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| **Name** | RBFOX3 |

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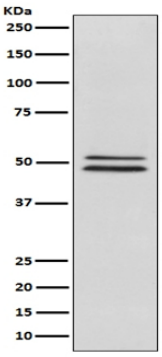
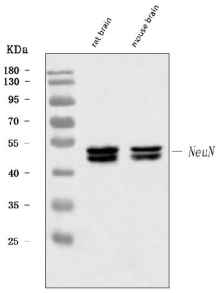
| **Function** | Pre-mRNA alternative splicing regulator. Regulates alternative splicing of RBFOX2 to enhance the production of mRNA species that are targeted for nonsense-mediated decay (NMD). |
| **Cellular Location** | Nucleus. Cytoplasm. Note=Largely restricted to neuronal nuclei. However, significant cytoplasmic localization in neurons from brains from HIV-infected individuals with cognitive impairment |

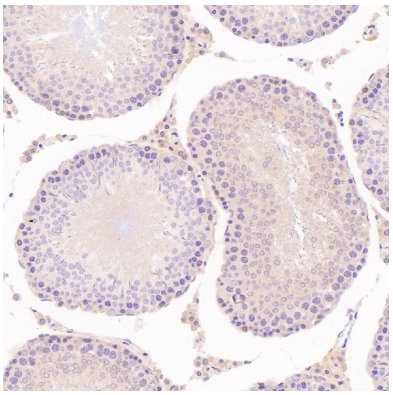
## Images



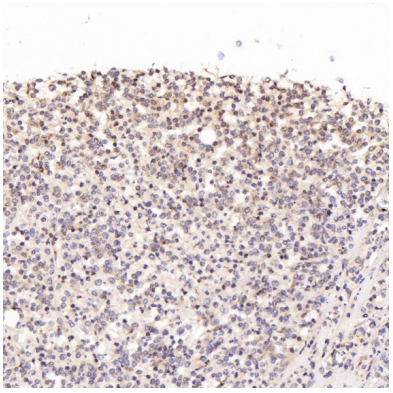

Western blot analysis of NeuN expression in human fetal brain lysate.



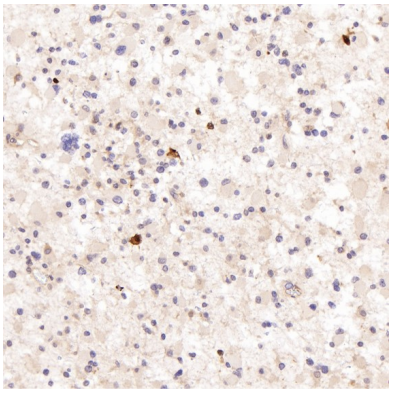

Western blot analysis of NeuN using anti-NeuN antibody (M11954).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat brain tissue lysates,
Lane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



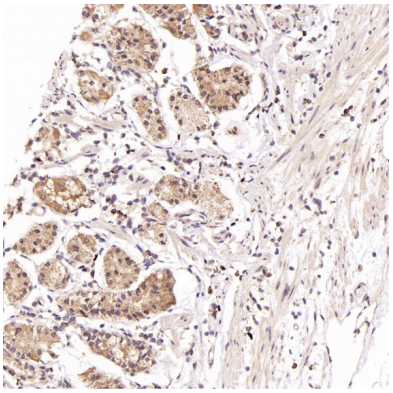
Immunohistochemical analysis of paraffin-embedded Rat testis, using the Antibody at 1:1000 dilution.



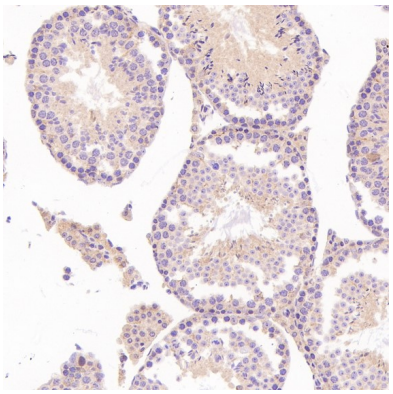
Immunohistochemical analysis of paraffin-embedded Human Hodgkin's lymphoma, using the Antibody at 1:500 dilution.



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

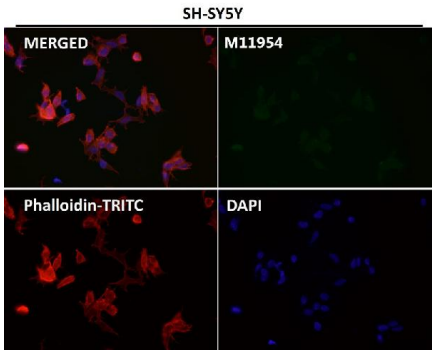


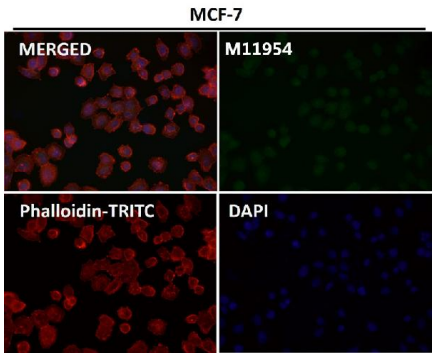
Immunohistochemical analysis of paraffin-embedded Human stomach, using the Antibody at 1:500 dilution.



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.