Product datasheet
Anti-NeuN/RBFOX3 Antibody
Catalog Number: *A11954-1*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
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Basic Information

Product Name	Anti-NeuN/RBFOX3 Antibody
Gene Name	RBFOX3
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, IHC, IF, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived mouse NeuN/Rbfox3 recombinant protein (Position: H28-D304).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	46-55 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

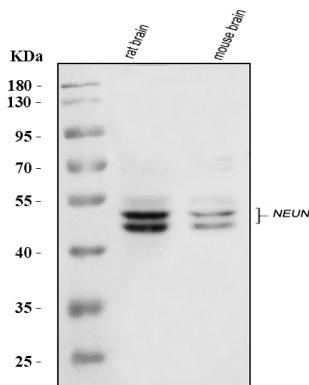12 months from date of receipt，-20℃ as supplied.

Background Information

RNA binding protein, fox-1 homolog (C. elegans) 3 (Rbfox3) is a protein that in humans is encoded by the RBFOX3 gene. This gene encodes a member of the RNA-binding FOX protein family which is involved in the regulation of alternative splicing of pre-mRNA. The protein has an N-terminal proline-rich region, an RNA recognition motif (RRM) domain, and a C-terminal alanine-rich region. This gene produces the neuronal nuclei (NeuN) antigen that has been widely used as a marker for post-mitotic neurons. This gene has its highest expression in the central nervous system and plays a prominent role in neural tissue development and regulation of adult brain function. Mutations in this gene have been associated with numerous neurological disorders. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.

Antibody   ELISA Kits   IHC   WB   Cell Culture

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Reference

Anti-NeuN/RBFOX3 Antibody   11

Selected Validation Data

Western blot analysis of NeuN/RBFOX3 using anti-NeuN/RBFOX3 antibody (A11954-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
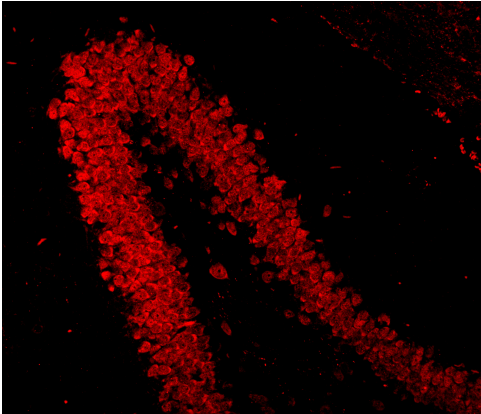Lane 1: rat brain tissue lysates,
Lane 2: mouse brain tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-NeuN/RBFOX3 antigen affinity purified polyclonal antibody (A11954-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NeuN/RBFOX3 at approximately 46-55 kDa. The expected band size for NeuN/RBFOX3 is at 41 kDa.

IHC analysis of NeuN/RBFOX3 using anti-NeuN/RBFOX3 antibody (A11954-1).
NeuN/RBFOX3 was detected in a paraffin-embedded section of mouse brain tissue. The tissue section was incubated with rabbit anti-NeuN/RBFOX3 Antibody (A11954-1) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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IF analysis using anti- NEUN antibody (A11954-1). detected in paraffin-embedded section of rat brain tissue. The tissue section were stained using the cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog # BA1032).