

## Basic Information

<b>Product Name</b>	Anti-NeuN/RBFOX3 Antibody	
<b>Gene Name</b>	RBFOX3	
<b>Source</b>	Rabbit	
<b>Clonality</b>	Polyclonal	
<b>Isotype</b>	IgG	
<b>Species Reactivity</b>	human, mouse, rat	
<b>Tested Application</b>	WB, IHC, IF, ELISA	
<b>Contents</b>	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
<b>Immunogen</b>	E.coli-derived mouse NeuN/Rbfox3 recombinant protein (Position: H28-D304).	
<b>Concentration</b>	500 ug/ml	
<b>Purification</b>	Immunogen affinity purified.	
<b>Observed MW</b>	46-55 kDa	
<b>Dilution Ratios</b>	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°C as supplied.

## Background Information

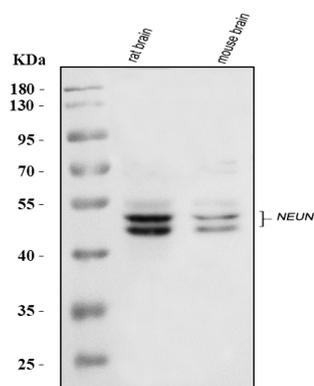
RNA binding protein, fox-1 homolog (C. elegans) 3 (Rbfox3) is a protein that in humans is encoded by the RBFOX3 gene. This gene encodes a member of the RNA-binding FOX protein family which is involved in the regulation of alternative splicing of pre-mRNA. The protein has an N-terminal proline-rich region, 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.

## Reference

Anti-NeuN/RBFOX3 Antibody被引用在10文献中。

## Selected Validation Data

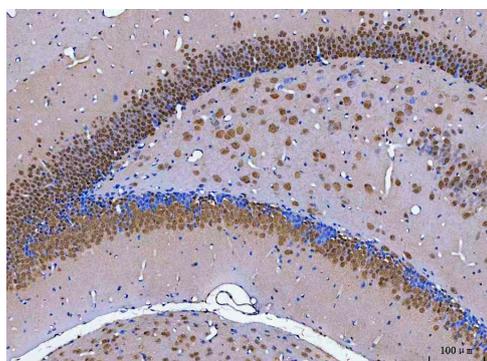


Western blot analysis of NeuN/RBFOX3 using anti-NeuN/RBFOX3 antibody (A11954-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

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.

Product datasheet

## Anti-NeuN/RBFOX3 Antibody

Catalog Number: **A11954-1**

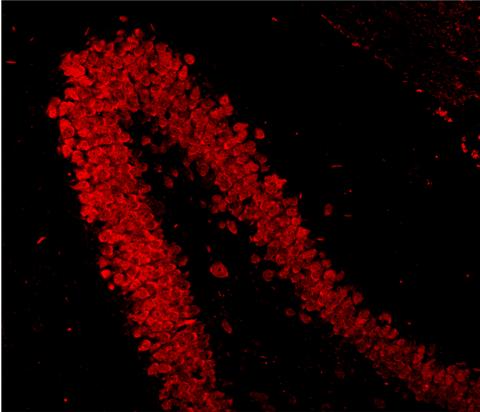
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IF analysis using anti- NEUN antibody (A11954-1). detected in paraffin-embedded section of rat brain tissue. The tissue section were stained using the cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog # BA1032).