

Datasheet for ABIN7601068
anti-NeuN antibody (AA 28-304)



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Overview

Quantity:	100 µg
Target:	NeuN (RBFOX3)
Binding Specificity:	AA 28-304
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NeuN antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	Anti-NeuN/Rbfox3 Antibody Picoband®
Immunogen:	E.coli-derived mouse NeuN/Rbfox3 recombinant protein (Position: H28-D304).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NeuN/Rbfox3 Antibody Picoband® (ABIN7601068). Tested in ELISA, IF, IHC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NeuN (RBFOX3)
Alternative Name:	Rbfox3 (RBFOX3 Products)
Background:	Synonyms: Solute carrier family 2, facilitated glucose transporter member 6, Glucose transporter type 6, GLUT-6, Glucose transporter type 9, GLUT-9, SLC2A6, GLUT9 Tissue Specificity: Highly expressed in brain, spleen and peripheral blood leukocytes. Background: 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.
Molecular Weight:	46-55 kDa
Gene ID:	52897

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Mouse, Rat Immunofluorescence, 5 µg/mL, Rat ELISA, 0.1-0.5 µg/mL, - 1. Dredge, B. K., Jensen, K. B. NeuN/Rbfox3 nuclear and cytoplasmic isoforms differentially regulate alternative splicing and nonsense-mediated decay of Rbfox2. PLoS One 6: e21585, 2011. Note: Electronic Article. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 6/22/2016. 3. Kim, K. K., Adelstein, R. S., Kawamoto, S. Identification of neuronal nuclei (NeuN) as Fox-3, a new member of the Fox-1 gene family of splicing factors. J. Biol. Chem. 284: 31052-31061, 2009.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.