

Rabbit anti-Mouse, Rat NeuN Polyclonal Antibody | anti-NeuN antibody

NeuN Rabbit pAb

CATALOG # AAA281767	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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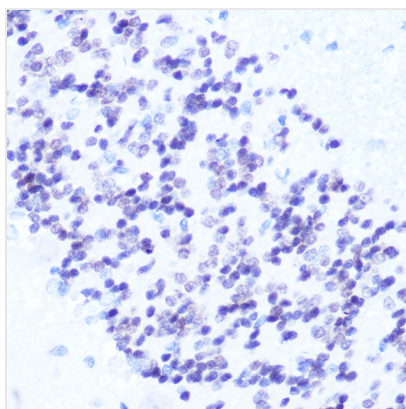
PRODUCT SYNONYMS

NeuN; Polyclonal Antibody; NeuN Rabbit pAb; FOX-3; FOX3; HRNBP3; NEUN; RBFOX3; anti-NeuN antibody

PRODUCT SPECIFICATIONS

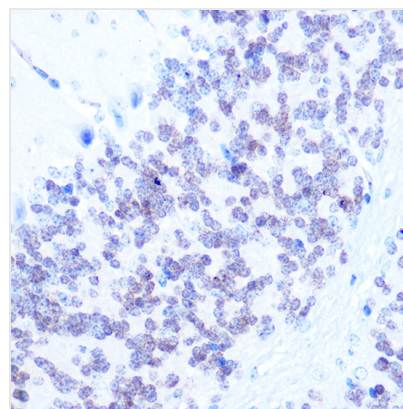
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-NeuN antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-220 of human NeuN (NP_001076045.1).
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



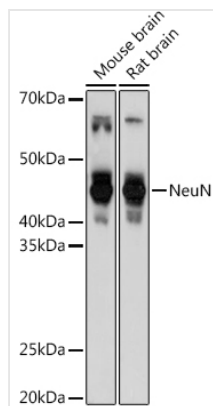
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat brain using NeuN antibody (AAA281767) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse brain using NeuN antibody (AAA281767) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using NeuN antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-NeuN antibody	Background: 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.
Product Categories/Family for anti-NeuN antibody	Epigenetics & Nuclear Signaling; Transcription Factors; Research; Neuroscience; Cell Type Marker; Neuron marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	322510139
NCBI GeneID	146713
UniProt Accession #	A6NFN3; B4DEG6; B4DF29
Molecular Weight	Calculated MW: 33kDa/35kDa Observed MW: 50kDa
NCBI Official Full Name	RNA binding protein fox-1 homolog 3
NCBI Official Synonym Full Names	RNA binding protein, fox-1 homolog (C. elegans) 3
NCBI Official Symbol	RBFOX3
NCBI Official Synonym Symbols	FOX3; NEUN; FOX-3; HRNBP3
NCBI Protein Information	RNA binding protein fox-1 homolog 3; fox-1 homolog C; neuronal nuclei; hexaribonucleotide binding protein 3
UniProt Protein Name	RNA binding protein fox-1 homolog 3
UniProt Gene Name	RBFOX3
UniProt Entry Name	RFOX3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.