Rabbit anti-Human Neuronal-Nuclei (NeuN) Monoclonal Antibody | anti-RBFOX3 antibody

Neuronal-Nuclei (NeuN) (Neuronal Marker) Recombinant Rabbit Monoclonal Antibody [Clone NeuN/6694R]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215576	**Rabbit**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

Neuronal-Nuclei (NeuN); Monoclonal Antibody; Neuronal-Nuclei (NeuN) (Neuronal Marker) Recombinant Rabbit Monoclonal Antibody [Clone NeuN/6694R]; Neuronal-Nuclei (NeuN) (Neuronal Marker); FLJ56884; FLJ58356; fox1 homolog C; Fox3; FOX3NeuN; hexaribonucleotide binding protein 3 (HRNBP3); neuronal nuclei; Rbfox3; RNA binding protein; fox 1 homolog (C. elegans) 3; anti-RBFOX3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG, kappa
Clone Number	NeuN/6694R
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-RBFOX3 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	A synthetic peptide corresponding to residues within aa 30-60 of human NeuN protein (exact sequence is proprietary)
Cellular Localization	Nucleus, Cytoplasm
Positive Control	Brain tissue.
Hu-chromosome Location	17q25.3
Unigene	135229
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human ganglioma stained with NeuN Recombinant Rabbit Monoclonal Antibody (NeuN/6694R).

ADDITIONAL INFORMATION

Related Product Information for anti-RBFOX3 antibody	NeuN antibody specifically recognizes the DNA-binding, neuron-specific protein NeuN, which is present in most CNS and PNS neuronal cell types of all vertebrates tested. NeuN protein distributions are apparently restricted to neuronal nuclei and some proximal neuronal processes in both fetal and adult brain although, some neurons fail to be recognized by NeuN at all ages: INL retinal cells, Cajal-Retzius cells, Purkinje cells, inferior olivary and dentate nucleus neurons, and sympathetic ganglion cells are examples. Immunohistochemically detectable NeuN protein first appears at developmental timepoints that correspond with the withdrawal of the neuron from the cell cycle and/or with the initiation of terminal differentiation of the neuro. Immunoreactivity appears around E9. 5 in the mouse neural tube and is extensive throughout the developing nervous system by E12. 5. Strong nuclear staining suggests a nuclear regulatory protein function; however, no evidence currently exists as to whether the NeuN protein antigen has a function in the distal cytoplasm or whether it is merely synthesized there before being transported back into the nucleus. No difference between protein isolated from purified nuclei and whole brain extract on immunoblots has been found.

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.

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