Datasheet for ABIN7126261

Recombinant anti-NeuN antibody (AA 30-60)

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Overview

Quantity:	100 µg
Target:	NeuN (RBFOX3)
Binding Specificity:	AA 30-60
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This NeuN antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	A synthetic peptide corresponding to residues within aa 30-60 of human NeuN protein (exact sequence is proprietary)
Isotype:	IgG
Specificity:	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

Product Details

	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.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	NeuN (RBFOX3)
Alternative Name:	RBFOX3 (RBFOX3 Products)
Background:	FLJ56884, FLJ58356, fox1 homolog C, Fox3, FOX3NeuN, hexaribonucleotide binding protein 3 (HRNBP3), neuronal nuclei, Rbfox3, RNA binding protein, fox 1 homolog (C. elegans) 3,Neuronal-Nuclei (NeuN) (Neuronal Marker) Cellular localisation: Nucleus. Cytoplasm.
Molecular Weight:	38kDa
Gene ID:	146713, 135229
UniProt:	A6NFN3

Application Details

Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: Brain tissue.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL

Handling

Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months