Product Datasheet

RBFOX3/NeuN Antibody (NeuN/6694R) [Alexa Fluor® 594] NBP3-14008AF594

Unit Size: 0.1 ml

Store at 4C in the dark.

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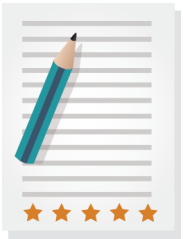

NBP3-14008AF594

RBFOX3/NeuN Antibody (NeuN/6694R) [Alexa Fluor® 594]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	NeuN/6694R
Preservative	0.05% Sodium Azide
Isotype	IgG Kappa
Conjugate	Alexa Fluor 594
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rabbit
Gene ID	146713
Gene Symbol	RBFOX3
Species	Human
Marker	Neuronal Marker
Specificity/Sensitivity	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.
Immunogen	A synthetic peptide corresponding to residues within aa30-60 of human RBFOX3/NeuN protein (exact sequence is proprietary) (Uniprot: A6NFN3)

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Product Application Details

Applications	Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin
Application Notes	Optimal dilution of this antibody should be experimentally determined.

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Products Related to NBP3-14008AF594

NBP1-77686PEP	RBFOX3/NeuN Antibody Blocking Peptide
DBD00	BDNF [HRP]
NBP2-10659	RBFOX3/NeuN Overexpression Lysate
AF835	Caspase-3 Antibody [Unconjugated] - Active

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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