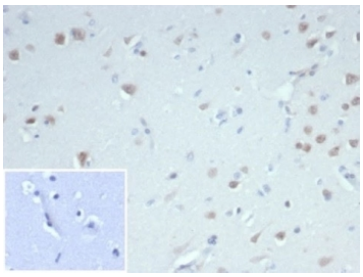
Fox3 Antibody / NeuN [clone NeuN/7071R] (V9610)

Catalog No.	Formulation	Size
V9610-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9610-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9610SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

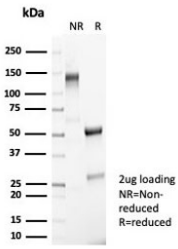
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	NeuN/7071R
Purity	Protein A/G affinity
UniProt	A6NFN3
Localization	Nucleus, Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Fox3 antibody is available for research use only.



Fox3 Antibody Human Cerebellum Immunohistochemistry. IHC staining of FFPE human cerebellum tissue with recombinant Fox3 antibody (clone NeuN/7071R). Negative control inset: PBS used in place of primary Ab. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Fox3 antibody (clone NeuN/7071R) as confirmation of integrity and purity.

Description

Fox3 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 /Fox3 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.

For a reference NeuN / Fox3 antibody supporting consistent detection of Fox3 in neuronal studies, see clone AO-18.

Application Notes

Optimal dilution of the Fox3 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 30-60 from the human protein was used as the immunogen for the recombinant Fox3 antibody.

Storage

Aliquot the Fox3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

Neun antibody, Fox3 antibody, Rbfox3 antibody

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