

NeuN

Cat.No. 266 006; Polyclonal chicken antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg purified IgY, lyophilized. Ovalbumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. Before storing at -20°C add 1 vol of glycerol.
Applications	WB: not tested yet IP: not tested yet ICC: 1 : 500 IHC: 1 : 100 up to 1 : 500 IHC-P/FFPE: 1 : 200
Immunogen	Recombinant protein corresponding to AA 1 to 97 from mouse NeuN (UniProt Id: Q8BIF2)
Reactivity	Reacts with: rat (D4A2H6), mouse (Q8BIF2). Other species not tested yet.
Specificity	Specific for NeuN.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

NeuN (Neuronal Nuclei) is a neuron-specific nuclear protein that has recently been identified as Fox-3/Rbfox3, a member of the Fox-1 family of transcription factors. NeuN is only expressed in the nuclei of differentiated neurons. In some neurons - Purkinje cells, sympathetic ganglion cells, INL retinal cells, Cajal-Retzius cells, inferior olivary and dentate nucleus neurons - NeuN is not detectable.

Selected References SYSY Antibodies

Widespread expression of erythropoietin receptor in brain and its induction by injury.
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Brain structure & function (2018) : . **IHC; tested species: mouse**

Increased synthesis of chondroitin sulfate proteoglycan promotes adult hippocampal neurogenesis in response to enriched environment.
Yamada J, Nadanaka S, Kitagawa H, Takeuchi K, Jinno S
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Structural Plasticity of Synaptopodin in the Axon Initial Segment during Visual Cortex Development.
Schlüter A, Del Turco D, Deller T, Gutzmann A, Schultz C, Engelhardt M
Cerebral cortex (New York, N.Y. : 1991) (2017) 27(9): 4662-4675. **IHC; tested species: mouse**

Late postnatal shifts of parvalbumin and nitric oxide synthase expression within the GABAergic and glutamatergic phenotypes of inferior colliculus neurons.
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Selected General References

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FEBS letters (2010) 584(13): 2767-71.

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Identification of neuronal nuclei (NeuN) as Fox-3, a new member of the Fox-1 gene family of splicing factors.
Kim KK, Adelstein RS, Kawamoto S
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Mullen RJ, Buck CR, Smith AM
Development (Cambridge, England) (1992) 116(1): 201-11.