

NeuN Rabbit monoclonal antibody

Catalog: BS9837M

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Neuronal nuclei (NeuN, Fox-3, RBFOX3) is a nuclear protein expressed in most post-mitotic neurons of the central and peripheral nervous systems. NeuN is not detected in Purkinje cells, sympathetic ganglion cells, Cajal-Retzius cells, INL retinal cells, inferior olivary, and dentate nucleus neurons. This neuronal protein was originally identified by immunoreactivity with a monoclonal antibody also called NeuN. Using MS-analysis, NeuN was later identified as the Fox-3 gene product. Fox-3 contains an RNA recognition motif and functions as a splicing regulator. Fox-3 regulates alternative splicing of NumB, promoting neuronal differentiation during development.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Predicted band size: 34KDa

Observed band size: 46, 48KDa

Swiss-Prot:

A6NFN3

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000-1:2000

ICC/IF: 1:50-1:200

IHC: 1:200-1:500

FC: 1:50-1:100

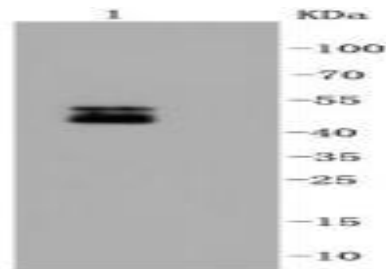
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of NeuN and does not cross-react with related proteins.

DATA:

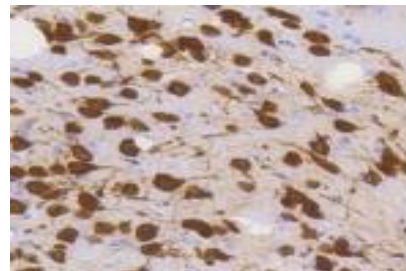


Western blot (WB) analysis of NeuN Rabbit mAb at 1:1000 dilution

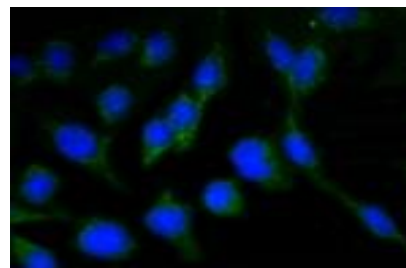
Lane1: The brain tissue lysate of Human

(NeuN is expressed as two alternate transcripts

with apparent SDS-PAGE molecular weight 46 and 48kDa)



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-NeuN antibody. Counter stained with hematoxylin.



ICC staining NeuN in SH-SY-5Y cells (green). The nuclear counterstain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS

Note:

For research use only, not for use in diagnostic procedure.

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PRODUCT DATA SHEET

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