Product Datasheet

NeuN Rabbit mAb

Catalog No: #48629

Package Size: #48629-1 50ul #48629-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

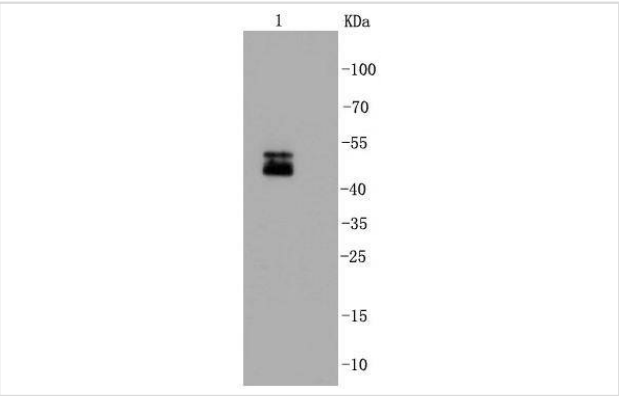
Description

Product Name	NeuN Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SR45-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	FLJ56884 antibody FLJ58356 antibody Fox-1 homolog C antibody fox1 homolog C antibody Fox3 antibody FOX3NeuN antibody hexaribonucleotide binding protein 3 antibody HRNBP3 antibody NEUN antibody neuronal nuclei antibody Rbfox3 antibody RFOX3_HUMAN antibody RNA binding protein fox-1 homolog 3 antibody RNA binding protein, fox 1 homolog (C. elegans) 3 antibody hide
Accession No.	Swiss-Prot#:A6NFN3
Uniprot	A6NFN3
GeneID	146713;
Calculated MW	34 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

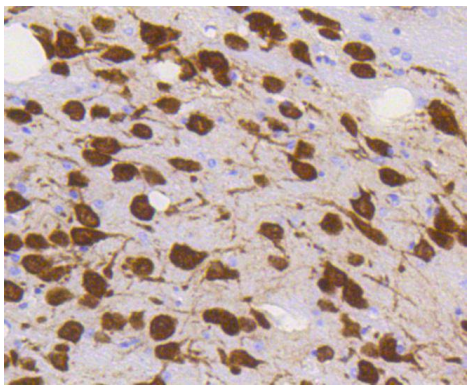
Application Details

WB: 1:1,000-1:2,000 IHC: 1:200-1:500 ICC: 1:50-1:200FC: 1:50-1:100

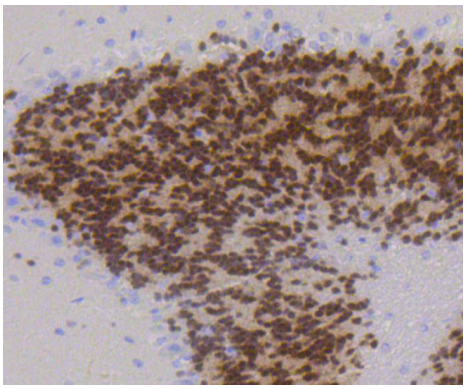
Images



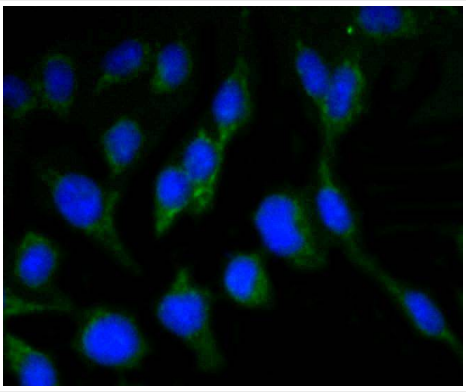
Western blot analysis of NeuN on human brain lysates using anti-NeuN antibody at 1/1,000 dilution.(NeuN is expressed as two alternate transcripts with apparent SDS-PAGE molecular weight 46 and 48kDa)



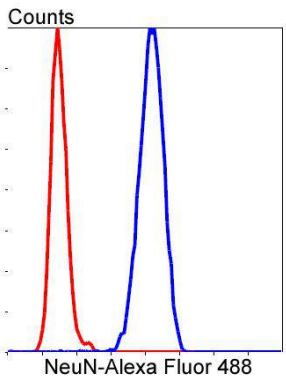
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-NeuN antibody. Counter stained with hematoxylin.



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



ICC staining NeuN in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SH-SY-5Y cells with NeuN antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

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.

References

Note: This product is for in vitro research use only