

Anti-NeuN Antibody (8Z879)

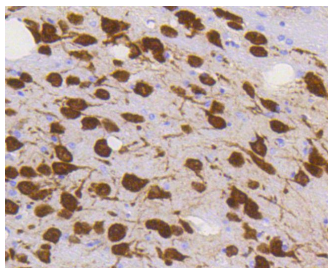
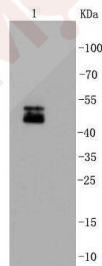
Product Details

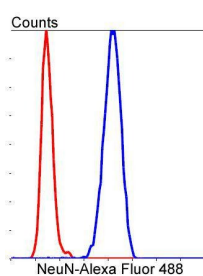
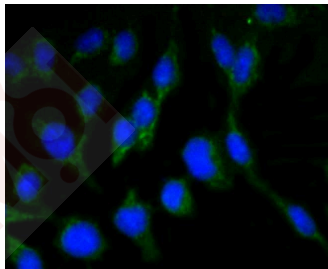
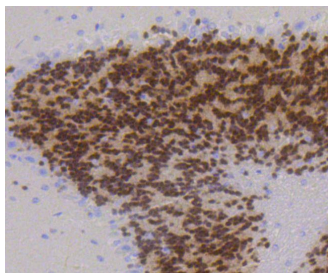
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 34 kDa.
Clone:	8Z879
Purification:	ProA affinity purified

Applications

Verified Activity:

1. 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).
2. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-NeuN antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using anti-NeuN antibody. Counter stained with hematoxylin.
4. 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.
5. 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.





Application: FCM, ICC/IF, IHC, WB

Recommended WB: 1:1000-2000; IHC: 1:200-500; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: A6NFN3

Synonyms: RFOX3; RNA binding protein fox-1 homolog 3; RBFox3; FOX-3; Neuronal nuclei antigen (NeuN antigen); FOX3; HRNBP3; Fox-1 homolog C

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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