

NeuN Rabbit mAb

Catalog No.: A19086 **Recombinant** **6 Publications**

Basic Information

Observed MW

46-55kDa

Calculated MW

34kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC0202

Background

This gene encodes a member of the RNA-binding FOX protein family which is involved in the regulation of alternative splicing of pre-mRNA. The protein has an N-terminal proline-rich region, an RNA recognition motif (RRM) domain, and a C-terminal alanine-rich region. This gene produces the neuronal nuclei (NeuN) antigen that has been widely used as a marker for post-mitotic neurons. This gene has its highest expression in the central nervous system and plays a prominent role in neural tissue development and regulation of adult brain function. Mutations in this gene have been associated with numerous neurological disorders. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.

Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

146713

Swiss Prot

A6NFN3

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human NeuN (A6NFN3).

Synonyms

FOX3; NEUN; FOX-3; HRNBP3; NeuN

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

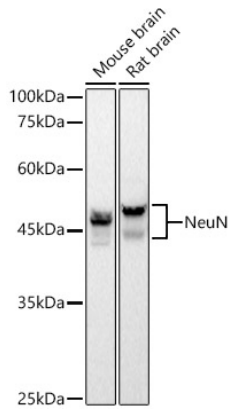
Affinity purification

Storage

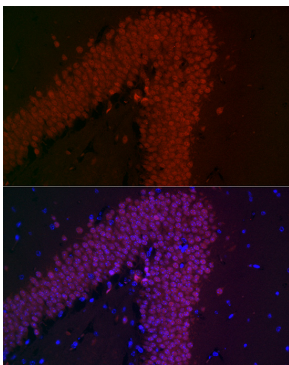
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

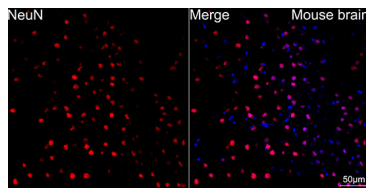
Validation Data



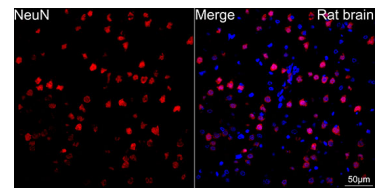
Western blot analysis of various lysates using NeuN Rabbit mAb (A19086) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Immunofluorescence analysis of paraffin-embedded mouse brain, using NeuN Rabbit mAb (A19086) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Confocal imaging of paraffin-embedded mouse brain using NeuN Rabbit mAb (A19086, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



Confocal imaging of paraffin-embedded rat brain using NeuN Rabbit mAb (A19086, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.