

[KO Validated] NeuN Rabbit pAb

Catalog No.: A0951 **KO** **Validated** **9 Publications**

Basic Information

Catalog No.

A0951

Observed MW

46-55kDa

Calculated MW

33kDa/35kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

Contact

 | www.abclonal.com

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.

Immunogen Information

Gene ID	Swiss Prot
146713	A6NFN3

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-220 of human NeuN (NP_001076044.1).

Synonyms

FOX-3;FOX3;HRNBP3;NEUN;NeuN;RBFOX3

Product Information

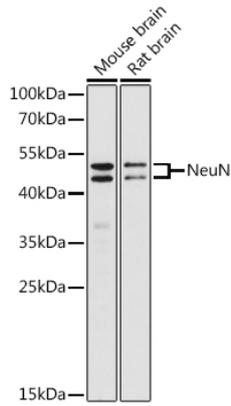
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using [KO Validated] NeuN antibody (A0951) at 1:1000 dilution.

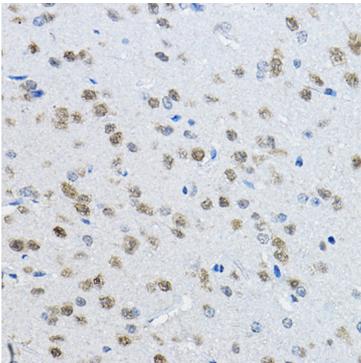
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

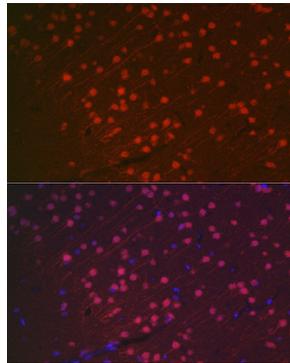
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

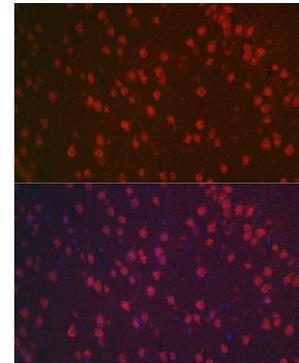
Exposure time: 90s.



Immunohistochemistry of paraffin-embedded mouse brain using [KO Validated] NeuN Rabbit pAb (A0951) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of rat brain using [KO Validated] NeuN Rabbit pAb (A0951) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse brain using [KO Validated] NeuN Rabbit pAb (A0951) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.