

A0951

Leader in Biomolecular Solutions for Life Science



## NeuN Rabbit pAb

Catalog No.: A0951

16 Publications

### Basic Information

#### Observed MW

46-55kDa

#### Calculated MW

34kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IHC-P, IF/ICC, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### 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
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

146713

#### Swiss Prot

A6NFN3

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-220 of NeuN (NP\_001076044.1).

#### Synonyms

FOX3; NEUN; FOX-3; HRNBP3; NeuN

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

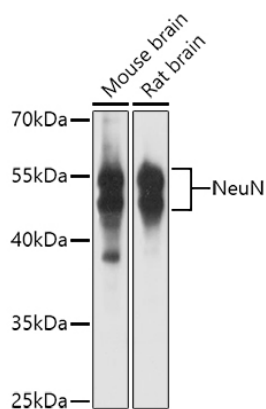
Affinity purification

#### Storage

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

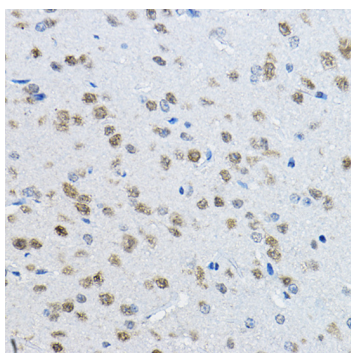
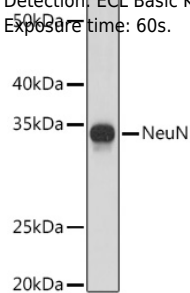
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

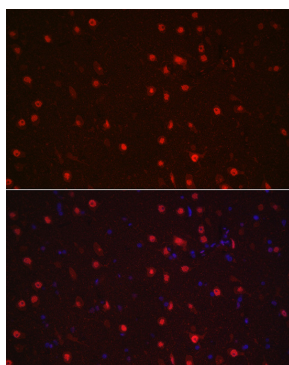


Western blot analysis of extracts of various cell lines, using NeuN antibody (A0951) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 180s.

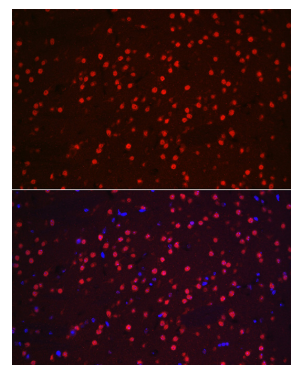
Western blot analysis of extracts of U2OS cells, using NeuN Rabbit pAb (A0951) at 1:1000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded mouse brain using 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 cells using NeuN Rabbit pAb (A0951) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



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