

Mouse Anti-NeuN antibody

SLM-41402M

Product Name NeuN

Chinese Name 神经元核抗原单克隆抗体

Alias RFOX3_HUMAN; RNA binding protein fox-1 homolog 3; RBFOX3; Fox-1 homolog C; Neuronal nuclei antigen (NeuN antigen); FOX3; FOX-3; HRNBP3;

Research Area Cell biology Neurobiology Transporter Epigenetics

Immunogen Species Mouse

Clonality Monoclonal

React Species Mouse,Rat(predicted:Human)

IHC-P=1:50-200,IHC-F=1:50-200,IF=1:50-200

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 34kDa

Cellular localization The nucleus The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen Recombinded human NeuN: 1-100/312

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product Detail 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. [provided by RefSeq, May 2017]

Function:

RNA-binding protein that regulates alternative splicing events.

Subcellular Location:

Nucleus. Cytoplasm.

Similarity:

Contains 1 RRM (RNA recognition motif) domain.

SWISS:

A6NFN3

Gene ID:

146713

Database links:

[Entrez Gene: 146713](#) Human

[Entrez Gene: 52897](#) Mouse

[Entrez Gene: 287847](#) Rat

[SwissProt: A6NFN3](#) Human

[SwissProt: Q8BIF2](#) Mouse

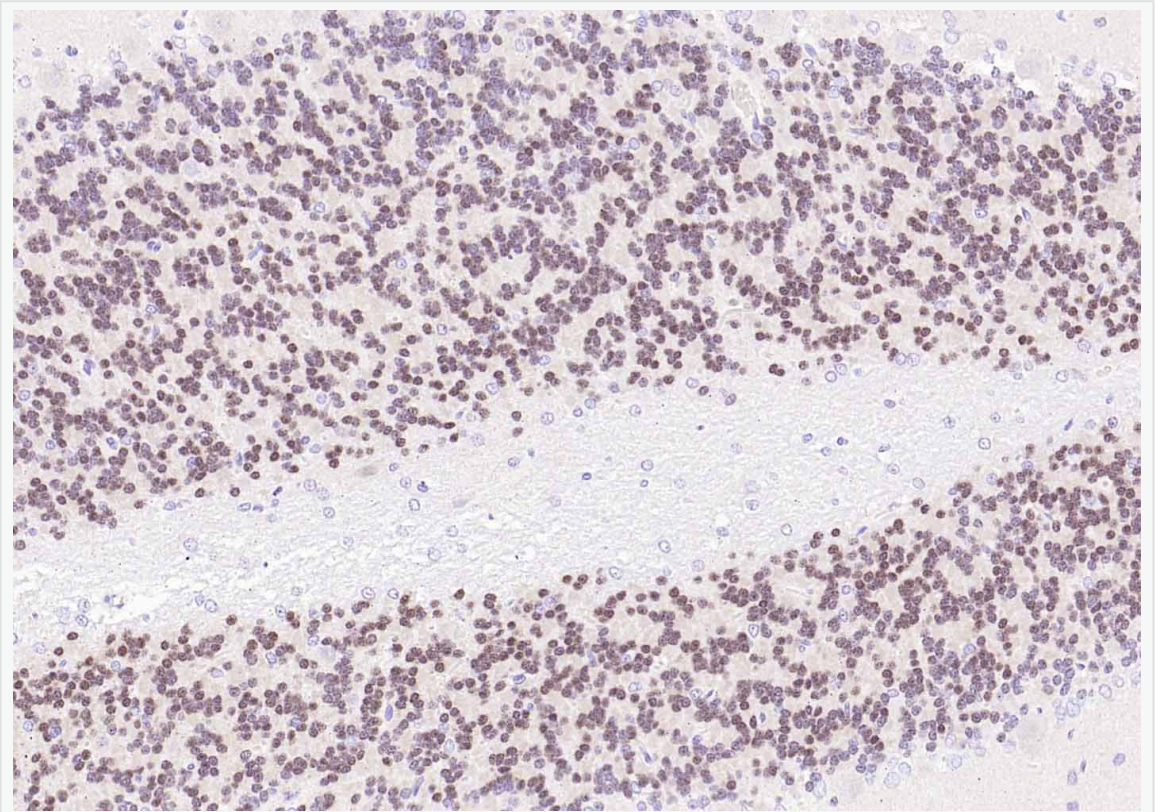
[Unigene: 135229](#) Human

[Unigene: 341103](#) Mouse

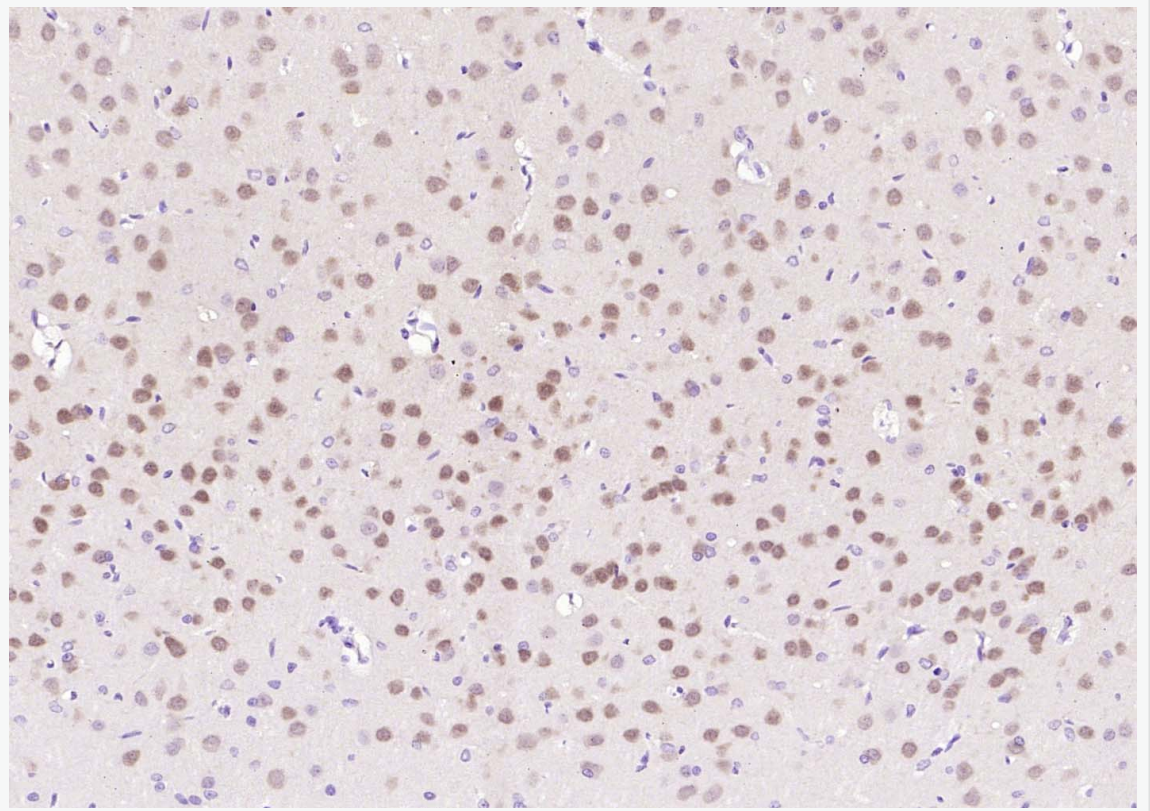
[Unigene: 143966](#) Rat

Neurobiology 相关蛋白 (Neurobiology)

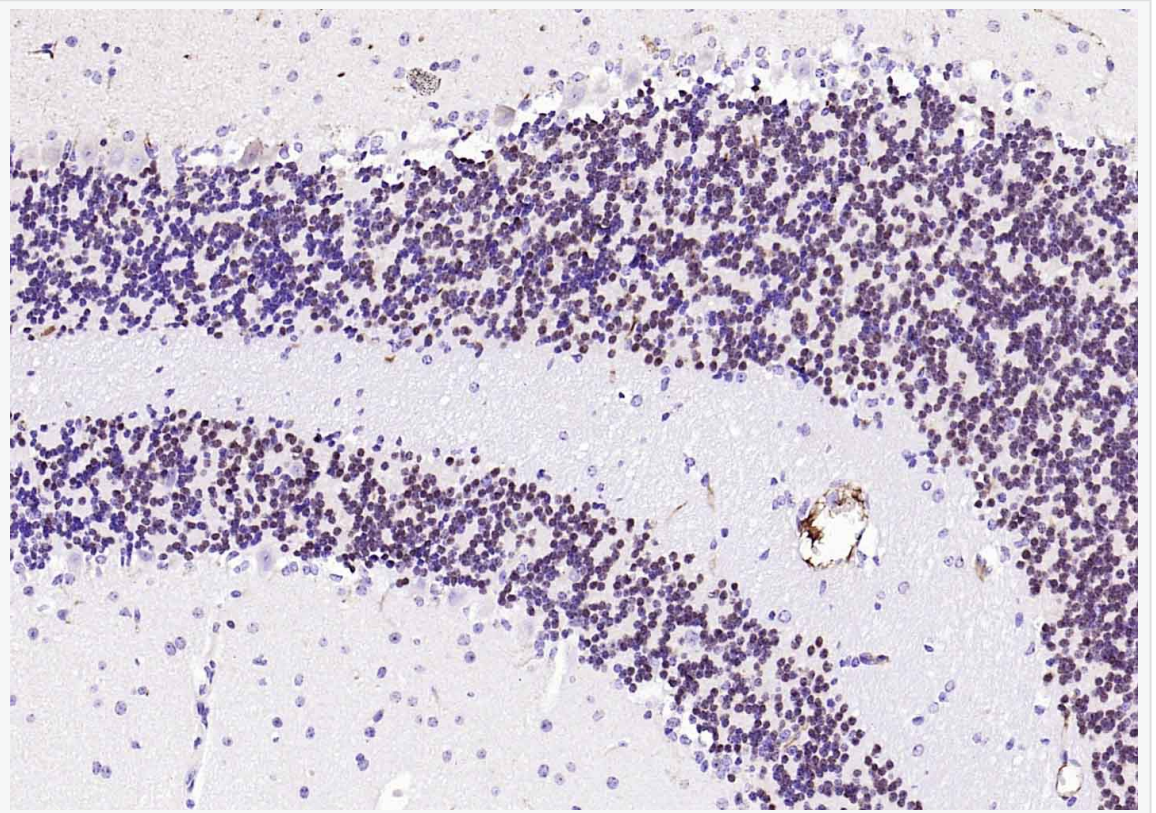
**Product
Picture**



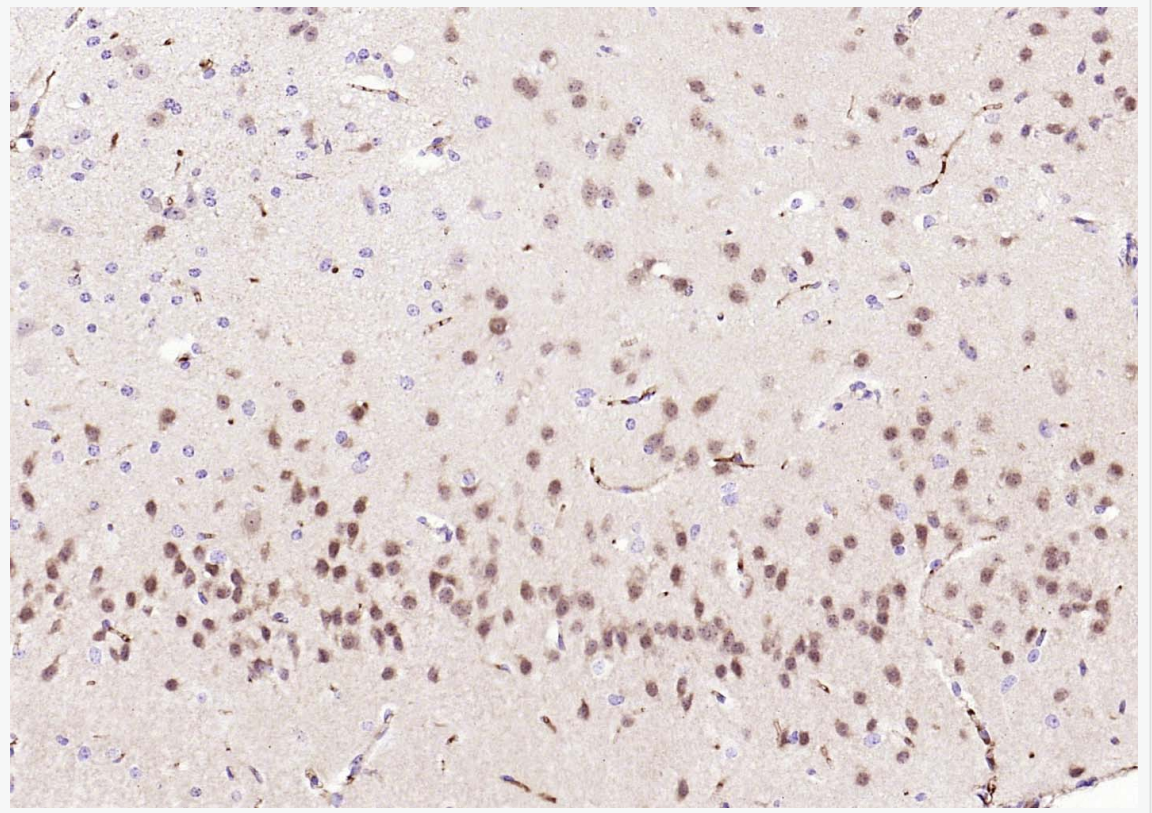
Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (NeuN) Monoclonal Antibody, Unconjugated (SLM-41402M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (NeuN) Monoclonal Antibody, Unconjugated (SLM-41402M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (NeuN) Monoclonal Antibody, Unconjugated (SLM-41402M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (NeuN) Monoclonal Antibody, Unconjugated (SLM-41402M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.