



Rabbit Anti-NeuN antibody

SL10394R

Product Name:	NeuN
Chinese Name:	神经元核抗原抗体
Alias:	FOX3; NeuN; neuronal nuclei antigen; neuronal nuclei; Vertebrate neuron-specific nuclear protein; Neuna60; Neuronal nuclear antigen A60; RNA binding protein fox-1 homolog 3 isoform 1; RNA binding protein, fox 1 homolog (C. elegans) 3; Rbfox3; D11Bwg0517e; Fox-3; Fox3; Hrnbp3; RP23-159O6.5; novel protein; Fox-1 homolog C; fox1 homolog C; FLJ56884; FLJ58356; hexaribonucleotide binding protein 3 RFOX3 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Horse,Sheep,Bee,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/testICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	34kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FOX3:101-200/312
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is a cytokine that shares sequence similarity with IL17. This cytokine is expressed by activated T cells, and has been shown to stimulate the

production of several other cytokines, including IL6, IL8, and CSF2/GM-CSF. This cytokine is also found to inhibit the angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein-1. [provided by RefSeq, Jul 2008]

Function:

RNA-binding protein that regulates alternative splicing events.

Subcellular Location:

Nucleus. Cytoplasm.

Tissue Specificity:

Expressed in activated, but not resting, CD4+ T-cells and activated monocytes.

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

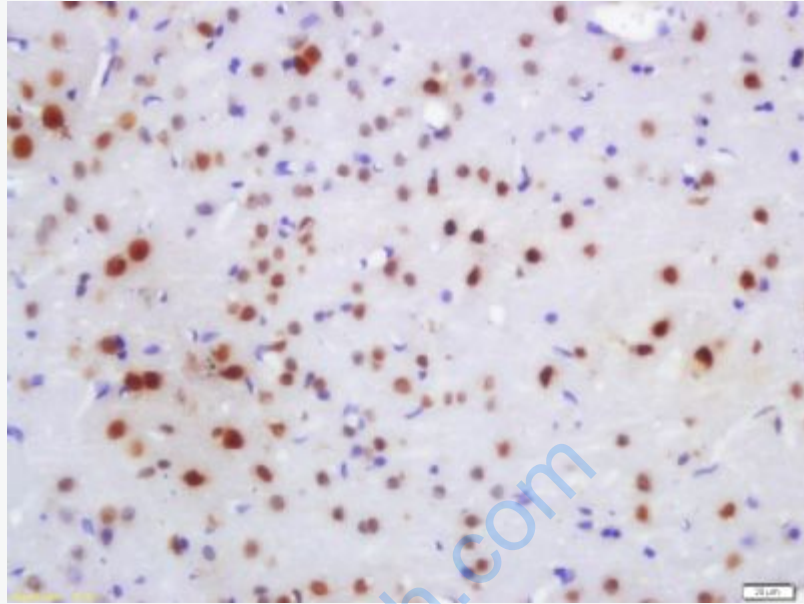
[Unigene: 135229](#) Human

[Unigene: 341103](#) Mouse

[Unigene: 143966](#) Rat

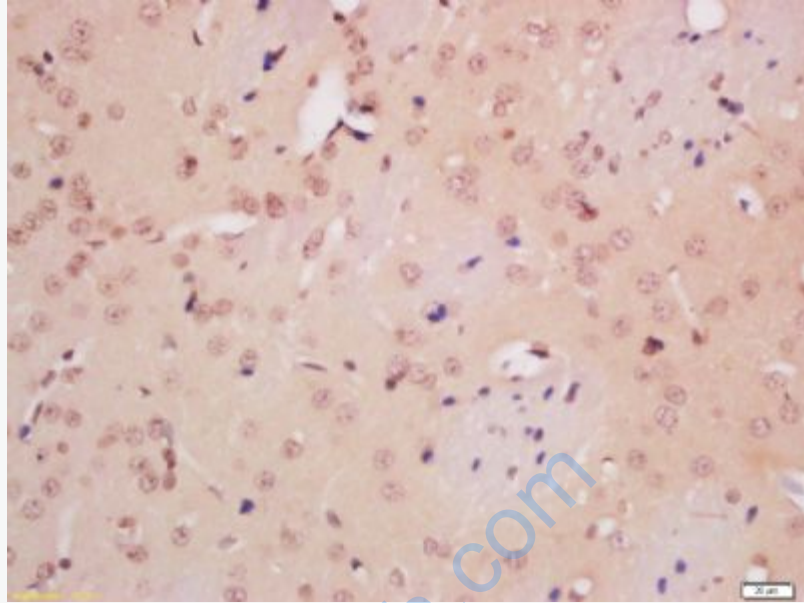
Important Note:

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

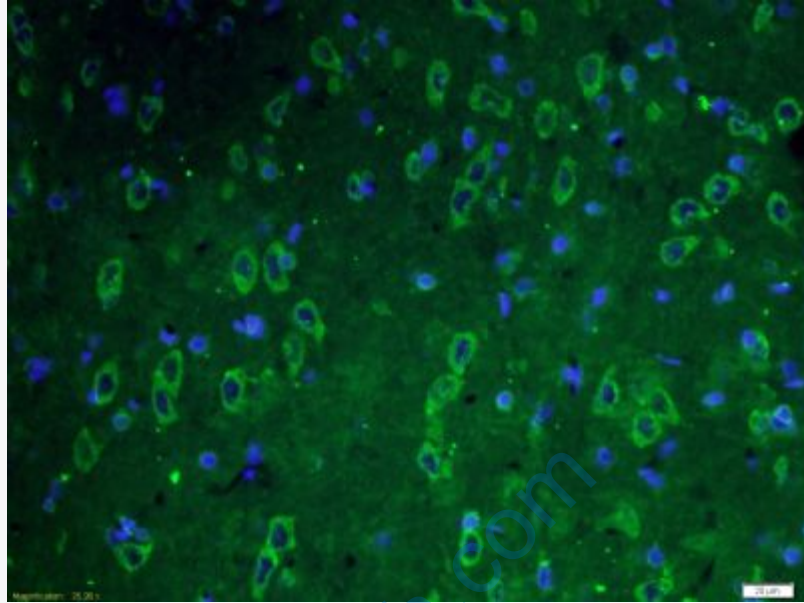


Picture:

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-NeuN/FOX3 Polyclonal Antibody, Unconjugated(SL10394R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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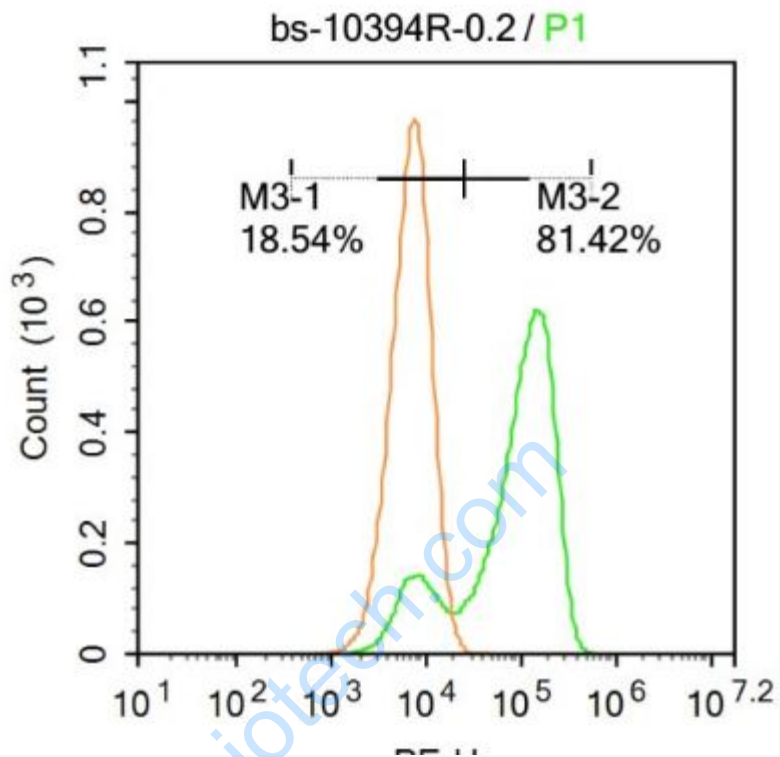
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Incubation: Anti-NeuN Polyclonal Antibody, Unconjugated(SL10394R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, AF488 conjugated(SL10394R)used at 1:200 dilution for 40 minutes at 37°C.

DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



Blank control:A549.

Primary Antibody (green line): Rabbit Anti-NeuN antibody (SL10394R)

Dilution: 1 μ g /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: 1 μ g /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 20% PBST for 20 min at-20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature.

The secondary antibody used for 40 min at room temperature. Acquisition of 20,000

	events was performed.
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