

Anti-NeuN Polyclonal Antibody

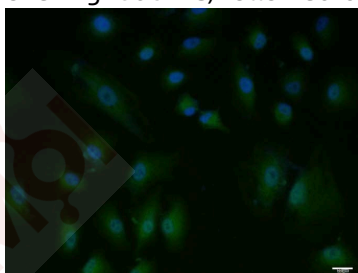
Product Details

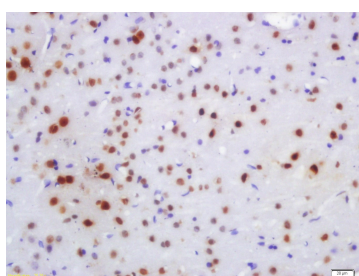
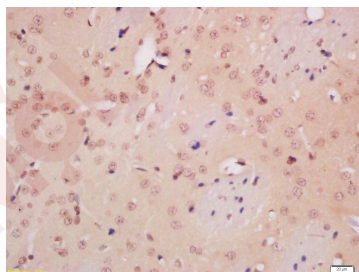
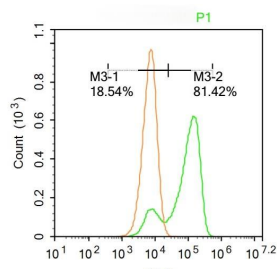
Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Bee,Sheep,Horse,Cow,Mouse)
Molecular Weight:	Theoretical: 34 kDa.
Purification:	Protein A purified

Applications

1. A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (NeuN) polyclonal Antibody, Unconjugated (TMAB-01218) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.
2. Blank control: A549. Primary Antibody (green line): Rabbit Anti-NeuN antibody (TMAB-01218) Dilution: 1 µg/10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE Dilution: 1 µg/test. Protocol The cells were fixed with 4% PFA (10 min 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 room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.
3. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-NeuN/FOX3 Polyclonal Antibody, Unconjugated (TMAB-01218) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.
4. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-NeuN/FOX3 Polyclonal Antibody, Unconjugated (TMAB-01218) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.

Verified Activity:





Application: FCM, ICC/IF, IF, IHC-Fr, IHC-P

Recommended FCM=1 µg/Test; ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human FOX3

Antigen Species: Human

Gene ID: 146713

Uniprot ID: A6NFN3

Synonyms: RNA binding protein fox-1 homolog 3; Neuronal nuclei antigen (NeuN antigen); HRNBP3; FOX3; FOX-3; RFOX3; RBFOX3; Fox-1 homolog C

Biology Area: Other FOXes, Transcription Factors, Soma marker, neuron, Neuronal

Research 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. [provided by RefSeq, May 2017]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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