
NeuN Rabbit pAb

Catalog Number: bs-1613R

Target Protein: NeuN

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Cow, Dog, Horse)

Predicted MW: 34 kDa

Entrez Gene: 146713

Swiss Prot: A6NFN3

Source: KLH conjugated synthetic peptide derived from human NeuN: 51-150/312.

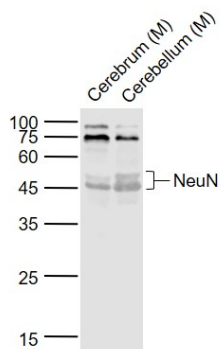
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

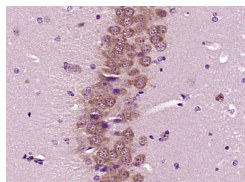
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

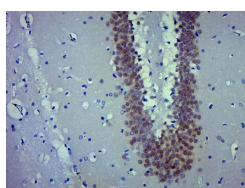
VALIDATION IMAGES



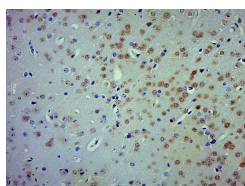
Sample: Lane 1: Cerebrum (Mouse) Lysate at 40 ug Lane 2: Cerebellum (Mouse) Lysate at 40 ug Primary: Anti-NeuN (bs-1613R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kD Observed band size: 46/50 kD



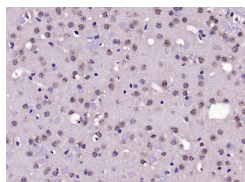
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NeuN) Polyclonal Antibody, Unconjugated (bs-1613R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



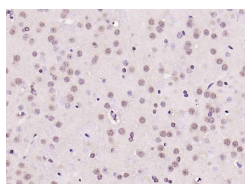
Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NeuN) Polyclonal Antibody, Unconjugated (bs-1613R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes 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; Antibody incubation with (NeuN) Polyclonal Antibody, Unconjugated (bs-1613R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes 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; Antibody incubation with (NeuN) Polyclonal Antibody, Unconjugated (bs-1613R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) 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; Antibody incubation with (NeuN) Polyclonal Antibody, Unconjugated (bs-1613R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=13.281] Yu Hei. et al. Multifunctional Immunoliposomes Enhance the Immunotherapeutic Effects of PD-L1 Antibodies against Melanoma by Reprogramming Immunosuppressive Tumor Microenvironment. 2021 Dec 16 IF,IHC ; Mouse . 34915595

[IF=7.69] Zhao, Wenjuan, et al. "Human APOE Genotype Affects Intraneuronal Aβ1-42 Accumulation in a Lentiviral Gene Transfer Model." Human Molecular Genetics (2013): ddt525. Other ; ="Mouse" . 24154541

[IF=5.62] Derya Kaya. et al. Allopurinol attenuates repeated traumatic brain injury in old rats: A preliminary report. EXP NEUROL. 2022 Nov;357:114196 IHC ; Rat . 10.1016/j.expneurol.2022.114196

[IF=4.679] Junting Xiao. et al. Arsenite induces ferroptosis in the neuronal cells via activation of ferritinophagy. Food Chem Toxicol. 2021 Mar;112:114 IF ; Mouse . 33722599

[IF=5.2] Zhao, Wenjuan, et al. "Aging reduces glial uptake and promotes extracellular accumulation of A β from a lentiviral vector." Frontiers in Aging Neuroscience 6 (2014): 210. IHC ; ="Mouse" . 25177293