For Research Use Only

NeuN Polyclonal antibody, PBS Only

Catalog Number:26975-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
26975-1-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG25689

GenBank Accession Number:
NM_001082575

GeneID (NCBI):
146713

UNIPROT ID:
A6NFN3

Full Name:
hexaribonucleotide binding protein 3

Observed MW:
46-52 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, IF-P, IF-Fro, FC (Intra), ELISA

Species Specificity:
human, mouse, rat, pig

Background Information

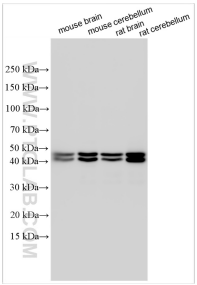
NeuN, encoded by FOX3, is a neuron-specific nuclear protein. Anti-NeuN stains exclusively neuronal cells in the central and peripheral nervous systems, especially postmitotic and differentiating neurons, as well as terminally differentiated neurons. Anti-NeuN has been used widely as a reliable tool to detect most postmitotic neuronal cell types. The immunohistochemical staining is primarily localized in the nucleus of the neurons with lighter staining in the cytoplasm. Several isoforms of NeuN exist due to the alternative splicing. Although the predicted MW of NeuN are 34/35 kDa, it was detected as doublet around 46-52 kDa. (PMID: 21747913)

Storage

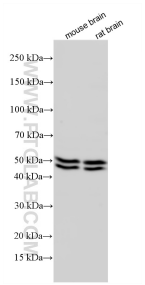
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data

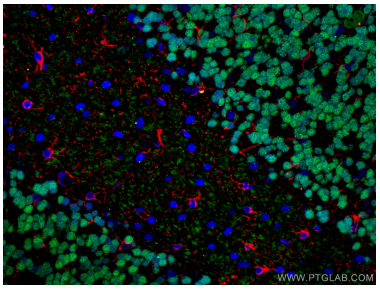


Various lysates were subjected to SDS PAGE followed by western blot with 26975-1-AP (NeuN antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 26975-1-PBS in a different storage buffer formulation.

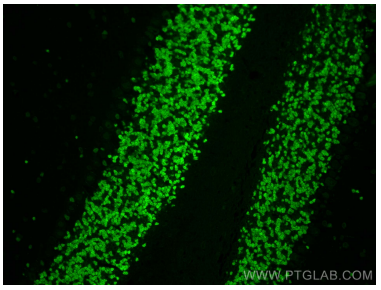


Various lysates were subjected to SDS PAGE followed by western blot with 26975-1-AP (NeuN antibody) at dilution of 1:80000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 26975-1-PBS in a different storage buffer formulation.

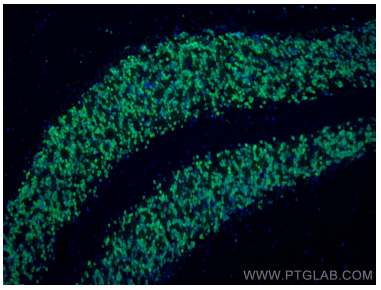
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using NeuN antibody (26975-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), GFAP antibody (60190-1-Ig, Clone: 4B2E10, green). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26975-1-PBS in a different storage buffer formulation.



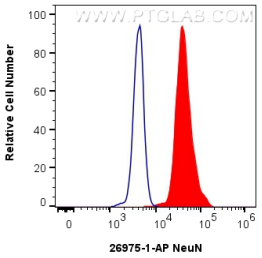
Immunofluorescent analysis of (4% PFA) fixed rat cerebellum tissue using 26975-1-AP (NeuN antibody, green), at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). The section was co-stained with 60190-1-Ig (GFAP antibody, red). This data was developed using the same antibody clone with 26975-1-PBS in a different storage buffer formulation.



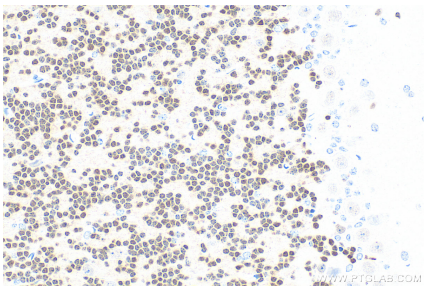
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse cerebellum tissue using NeuN antibody (26975-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26975-1-PBS in a different storage buffer formulation.



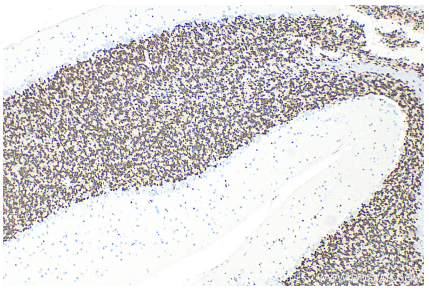
Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using NeuN antibody (26975-1-AP) at dilution of 1:5000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 26975-1-PBS in a different storage buffer formulation.



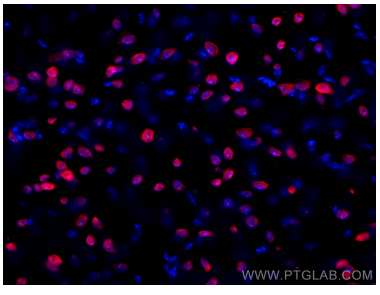
1X10^6 U-87 MG cells were intracellularly stained with 0.2 ug Anti-Human NeuN (26975-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug rabbit IgG isotype control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 26975-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 26975-1-AP (NeuN antibody) at dilution of 1:30000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26975-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 26975-1-AP (NeuN antibody) at dilution of 1:30000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 26975-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse brain tissue using NeuN antibody (26975-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-4). This data was developed using the same antibody clone with 26975-1-PBS in a different storage buffer formulation.