For Research Use Only

NeuN Monoclonal antibody, PBS Only

Catalog Number:66836-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66836-1-PBS

Concentration:
1mg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG28016

GenBank Accession Number:
NM_001082575

GeneID (NCBI):
146713

Full Name:
hexaribonucleotide binding protein 3

Purification Method:
Protein A purification

CloneNo.:
3A4C1

Applications

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

Species Specificity:
human, mouse, rat

Background Information

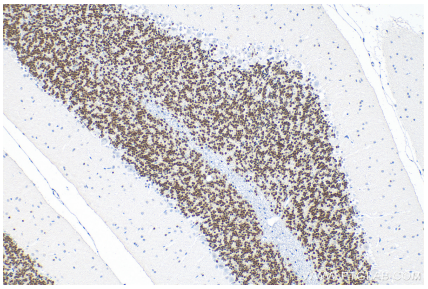
NeuN, encoded by FOX3, is a neuron-specific nuclear protein. Anti-NeuN stains exclusively neuronal cells in the central and peripheral nervous systems, especially postmitotic and differentiating neurons, as well as terminally differentiated neurons. Anti-NeuN has been used widely as a reliable tool to detect most postmitotic neuronal cell types. The immunohistochemical staining is primarily localized in the nucleus of the neurons with lighter staining in the cytoplasm.

Storage

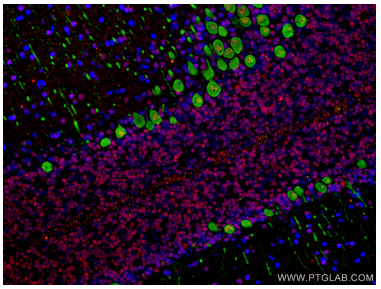
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

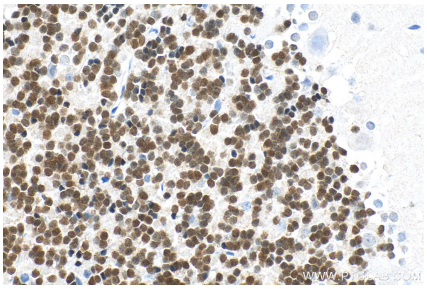
Selected Validation Data



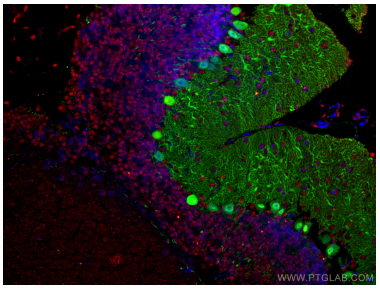
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 66836-1-Ig (NeuN antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 66836-1-PBS in a different storage buffer formulation.



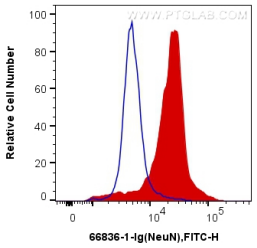
Immunofluorescent analysis of (4% PFA) fixed rat cerebellum tissue using 66836-1-Ig (NeuN antibody, red), at dilution of 1:200 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). The section was co-stained with 14479-1-AP (Calbindin-D28k antibody, green). This data was developed using the same antibody clone with 66836-1-PBS in a different storage buffer formulation.



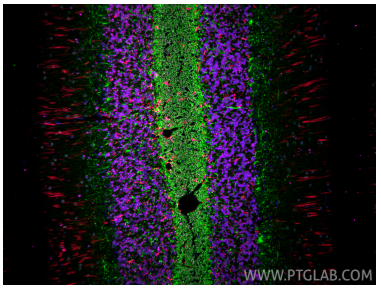
Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using 66836-1-Ig (NeuN antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0). This data was developed using the same antibody clone with 66836-1-PBS in a different storage buffer formulation.



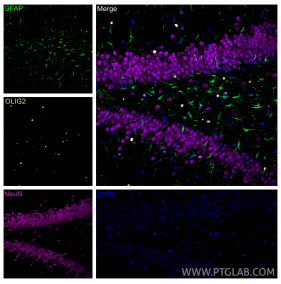
Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using 66836-1-Ig (NeuN antibody), at dilution of 1:100 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). The section was co-stained with 14479-1-AP (Calbindin-D28k Antibody, green). This data was developed using the same antibody clone with 66836-1-PBS in a different storage buffer formulation.



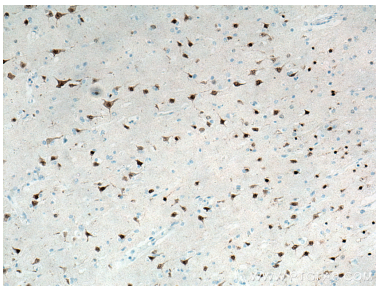
1X10^6 SH-SY5Y cells were intracellularly stained with 0.2 ug Anti-Human NeuN (66836-1-Ig, Clone:3A4C1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 66836-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat cerebellum tissue using NeuN antibody (66836-1-Ig, Clone: 3A4C1) at dilution of 1:800 and CoraLite®647-conjugated F(ab')2 Fragment Goat Anti-Mouse IgG (H+L) (SA00014-8), CoraLite®594 GFAP antibody (CL594-60190, Clone: 4B2E10, red), NF-H/NF200 antibody (18934-1-AP, green). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using NeuN antibody (66836-1-Ig, Clone: 3A4C1) at dilution of 1:800 and CoraLite®647-conjugated F(ab')2 Fragment Goat Anti-Mouse IgG (H+L) (SA00014-8), CoraLite® Plus 488 GFAP antibody (CL488-60190, Clone: 4B2E10, green), OLIG2 antibody (13999-1-AP, yellow). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66836-1-Ig (NeuN antibody) at dilution of 1:20000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66836-1-PBS in a different storage buffer formulation.