

For Research Use Only

CoraLite® Plus 488-conjugated NeuN Monoclonal antibody

Catalog Number: CL488-66836

3 Publications



Basic Information

Catalog Number:

CL488-66836

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28016

GenBank Accession Number:

NM_001082575

GeneID (NCBI):

146713

UNIPROT ID:

A6NFN3

Full Name:

hexaribonucleotide binding protein 3

Purification Method:

Protein G purification

CloneNo.:

3A4C1

Recommended Dilutions:

IF-P: 1:50-1:500

FC (Intra): 0.40 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P, FC (Intra)

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse, rat

Positive Controls:

IF-P: mouse cerebellum tissue, mouse brain tissue

FC (Intra): SH-SY5Y cells, U-87 MG cells

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuewen Zhai	40434197	Adv Mater	IF
Jingcheng Shi	38585980	bioRxiv	
Lirong Zhang	36801237	Exp Eye Res	IF

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

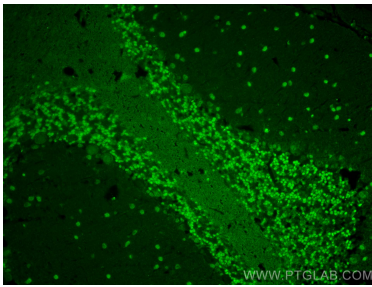
T: 4006900926

E: Proteintech-CN@ptglab.com

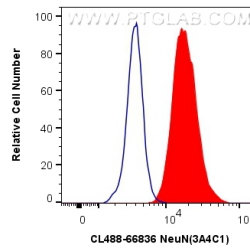
W: ptgcn.com

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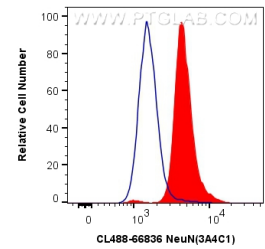
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using CoraLite® Plus 488 NeuN antibody (CL488-66836, Clone: 3A4C1) at dilution of 1:200.



1X10⁶ U-87 MG cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human NeuN (CL488-66836, Clone:3A4C1) (red), or 0.4 ug Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



1X10⁶ SH-SY5Y cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human NeuN (CL488-66836, Clone:3A4C1) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).