

For Research Use Only

CoraLite®555-conjugated NeuN Polyclonal antibody

Catalog Number:CL555-26975



Basic Information

Catalog Number:

CL555-26975

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25689

GenBank Accession Number:

NM_001082575

GeneID (NCBI):

146713

Full Name:

hexaribonucleotide binding protein 3

Observed MW:

46-52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

FC (Intra): 0.80 µg per 10⁶ cells in a 100 µl suspension

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Excitation/Emission maxima

wavelengths:

557 nm / 570 nm

Applications

Tested Applications:

IF-P, FC (Intra)

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF-P: mouse brain tissue,

FC (Intra): U-87 MG cells,

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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 -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:

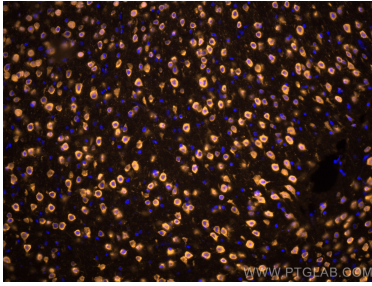
T: 4006900926

E: Proteintech-CN@ptglab.com

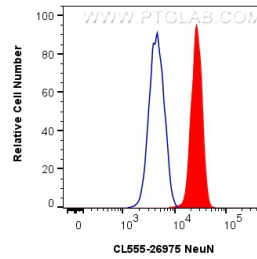
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® 555 NeuN antibody (CL555-26975) at dilution of 1:200.



1X10⁶ U-87 MG cells were intracellularly stained with 0.8 ug CoraLite® 555 Anti-Human NeuN (CL555-26975) (red), or 0.8 ug Isotype Control. Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.