

For Research Use Only

# CoraLite® Plus 488-conjugated NeuN Polyclonal antibody

Catalog Number: CL488-26975



## Basic Information

<b>Catalog Number:</b> CL488-26975	<b>GenBank Accession Number:</b> NM_001082575	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 146713	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> hexaribonucleotide binding protein 3	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Observed MW:</b> 46-52 kDa	
<b>Immunogen Catalog Number:</b> AG25689		

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P : mouse brain tissue, mouse cerebellum tissue
<b>Species Specificity:</b> 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)

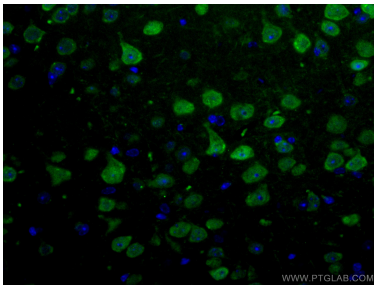
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 NeuN antibody (CL488-26975) at dilution of 1:200.