

For Research Use Only

CoraLite®594-conjugated N-cadherin Polyclonal antibody



Catalog Number:CL594-22018

Featured Product

Basic Information

Catalog Number:

CL594-22018

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16792

GenBank Accession Number:

BC036470

GeneID (NCBI):

1000

UNIPROT ID:

P19022

Full Name:

cadherin 2, type 1, N-cadherin (neuronal)

Calculated MW:

906 aa, 100 kDa

Observed MW:

130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P: mouse heart tissue,

Background Information

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. N-cadherin (neural cadherin), also known as CDH2 (cadherin 2), is a 130-kDa transmembrane glycoprotein and a classical member of the cadherin superfamily which also include E-, P-, R-, and B-cadherins. Expression of N-cadherin has been reported on various cell types including neurons, endothelial cells and cardiac myocytes (PMID: 11282032; 9508779; 8125202). N-cadherin has functions in early brain morphogenesis, synaptogenesis and synaptic plasticity (PMID: 23321619).

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:

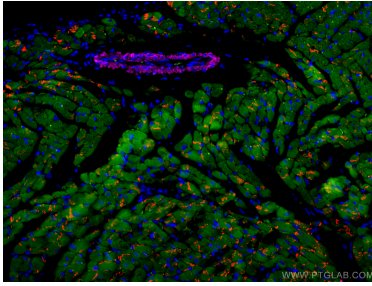
T: 4006900926

E: Proteintech-CN@ptglab.com

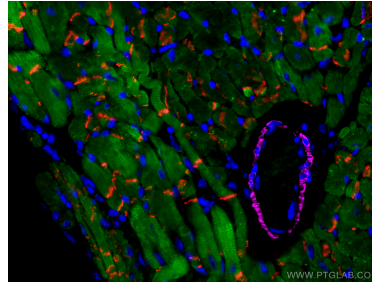
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using CoraLite® 594 N-cadherin antibody (CL594-22018) at dilution of 1:200, CoraLite® Plus 488 Cardiac Troponin I antibody (CL488-66376, Clone: 1D5D6, green), CoraLite® Plus 647 smooth muscle actin specific antibody (CL647-67735, Clone: 1E9A11, magenta).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using CoraLite® 594 N-cadherin antibody (CL594-22018) at dilution of 1:200, CoraLite® Plus 488 Cardiac Troponin I antibody (CL488-66376, Clone: 1D5D6, green), CoraLite® Plus 647 smooth muscle actin specific antibody (CL647-67735, Clone: 1E9A11, magenta).