

For Research Use Only

CoraLite®594-conjugated N-cadherin Polyclonal antibody



Catalog Number:CL594-22018

Featured Product

Basic Information

Catalog Number: CL594-22018	GenBank Accession Number: BC036470	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1000	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: cadherin 2, type 1, N-cadherin (neuronal)	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
IsoType: IgG	Calculated MW: 906 aa, 100 kDa	
Immunogen Catalog Number: AG16792	Observed MW: 130 kDa	

Applications

Tested Applications:

IF

Species Specificity:

human, mouse, rat

Positive Controls:

IF : 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

*** 20ul sizes contain 0.1% BSA

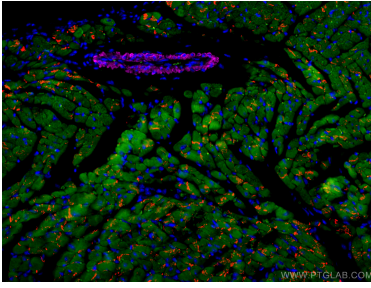
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

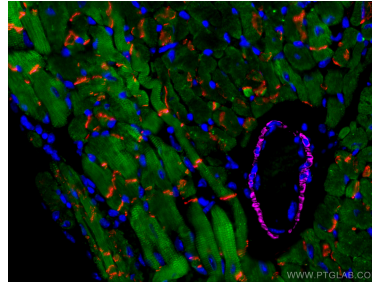
E: proteintech@ptglab.com
W: ptglab.com

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).