

For Research Use Only

CoraLite® Plus 488-conjugated Nesprin 3 Monoclonal antibody

Catalog Number: CL488-68420



Basic Information

Catalog Number: CL488-68420	GenBank Accession Number: BC146604	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 161176	CloneNo.: 1D1G12
Source: Mouse	UNIPROT ID: Q6ZMZ3	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG1	Full Name: chromosome 14 open reading frame 49	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG26012	Observed MW: 110 kDa	

Applications

Tested Applications: IF-P, FC (Intra)	Positive Controls: IF-P : mouse testis tissue,
Species Specificity: human, mouse, rat	

Background Information

Nesprin 3 also known as C14orf49, SYNE3, belongs to the Nesprin family. Nesprin-3 is a type II transmembrane protein of the outer nuclear membrane and contains a C-terminal KASH domain and a series of spectrin repeats(PMID: 16330710). Nesprin-3, a protein that links intermediate filaments to the nucleus, regulates endothelial cell morphology, perinuclear cytoskeletal organization, and flow-induced cell polarization and migration. Nesprin-3 is robustly expressed in human aortic endothelial cells and localizes to the nuclear envelope(PMID: 21937718).

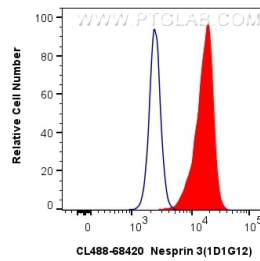
Storage

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

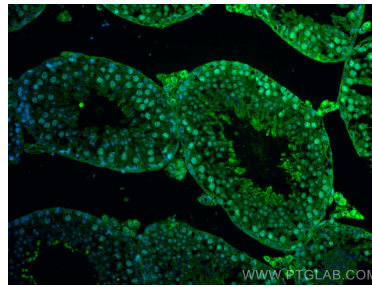
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1×10^6 NIH/3T3 cells were intracellularly stained with 0.4 μ g CoraLite® Plus 488-conjugated Nesprin 3 Monoclonal antibody (CL488-68420, Clone:1D1G12)(red), or 0.4 μ g CoraLite® Plus 488 Mouse IgG1 Isotype Control (1F8D3) (CL488-66360-1, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using CoraLite® Plus 488 Nesprin 3 antibody (CL488-68420, Clone: 1D1G12) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).