

For Research Use Only

Nesprin 3 Monoclonal antibody

Catalog Number: 68420-1-Ig



Basic Information

Catalog Number: 68420-1-Ig	GenBank Accession Number: BC146604	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 161176	CloneNo.: 1D1G12
Source: Mouse	Full Name: chromosome 14 open reading frame 49	Recommended Dilutions: WB 1:5000-1:50000 IF 1:50-1:500
Isotype: IgG1	Observed MW: 110 kDa	
Immunogen Catalog Number: AG26012		

Applications

Tested Applications:
IF, WB, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:

WB : HepG2 cells, HEK-293 cells, LNCaP cells, HeLa cells, Jurkat cells, MOLT-4 cells, C2C12 cells, PC-12 cells, rat testis tissue

IF : mouse testis tissue,

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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

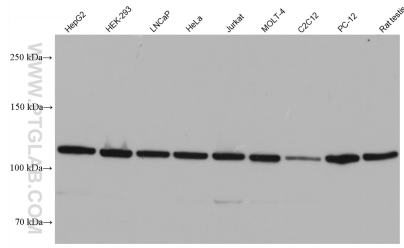
For technical support and original validation data for this product please contact:

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

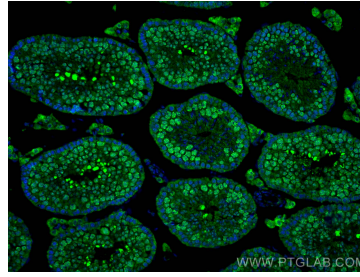
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68420-1-Ig (C14orf49 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using Nesprin 3 antibody (68420-1-Ig, Clone: 1D1G12) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).