

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: 1000 µg/ml	GeneID (NCBI): 161176	CloneNo.: 1D1G12
Source: Mouse	UNIPROT ID: Q6ZMZ3	Recommended Dilutions: WB 1:5000-1:50000 IF 1:50-1:500
Isotype: IgG1	Full Name: chromosome 14 open reading frame 49	
Immunogen Catalog Number: AG26012	Observed MW: 110 kDa	

Applications

Tested Applications:
IF-P, 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

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

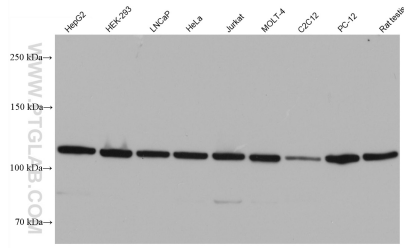
T: 4006900926

E: Proteintech-CN@ptglab.com

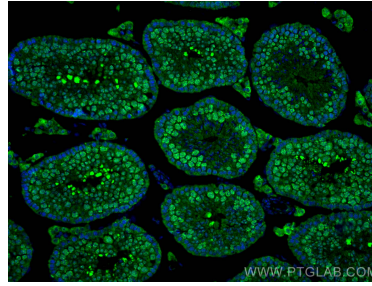
W: ptgcn.com

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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).