

For Research Use Only

Nesprin 3 Polyclonal antibody

Catalog Number: 27132-1-AP **1 Publications**



Basic Information

Catalog Number: 27132-1-AP	GenBank Accession Number: BC146604	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1200 µg/ml by Nanodrop and 767 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 161176	Recommended Dilutions: WB 1:2000-1:10000
Source: Rabbit	Full Name: chromosome 14 open reading frame 49	
Isotype: IgG	Observed MW: 100-110 kDa	
Immunogen Catalog Number: AG26002		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : C2C12 cells, rat spleen tissue, mouse spleen tissue
Cited Applications: IF	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Yunfei Zhang	34268309	Front Cell Dev Biol	IF

Storage

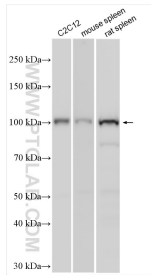
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27132-1-AP (Nesprin 3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.