

# Nesprin 3 Polyclonal antibody

Catalog Number: 27132-1-AP

1 Publications

## Basic Information

**Catalog Number:**

27132-1-AP

**Size:**

1200 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG26002

**GenBank Accession Number:**

BC146604

**GeneID (NCBI):**

161176

**UNIPROT ID:**

Q6ZMZ3

**Full Name:**chromosome 14 open reading frame  
49**Observed MW:**

100-110 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:10000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

mouse

**Positive Controls:**WB : C2C12 cells, rat spleen tissue, mouse spleen  
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).

## 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

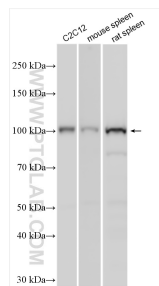
For technical support and original validation data for this product please contact:

T: 4006900926

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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.