

Nesprin 3 Monoclonal antibody, PBS Only

Catalog Number: 68420-1-PBS

Basic Information

Catalog Number:

68420-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG26012

GenBank Accession Number:

BC146604

GeneID (NCBI):

161176

UNIPROT ID:

Q6ZMZ3

Full Name:

chromosome 14 open reading frame

49

Observed MW:

110 kDa

Purification Method:

Protein G purification

CloneNo.:

1D1G12

Applications

Tested Applications:

WB, Indirect ELISA, IF

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:

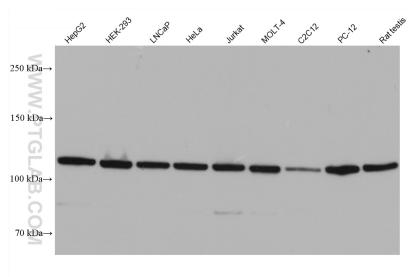
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

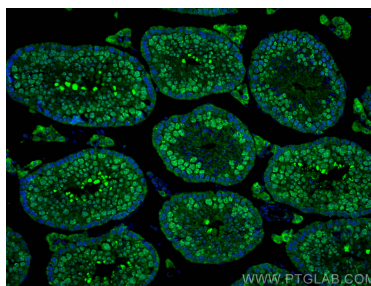
Storage Buffer:

PBS Only

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. This data was developed using the same antibody clone with 68420-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68420-1-PBS in a different storage buffer formulation.