ARG59839
anti-Nesprin 3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Nesprin 3
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Nesprin 3
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 740-920 of Human Nesprin 3 (NP_689805.3).
Conjugation	Un-conjugated
Alternate Names	Nesp3; Nesprin-3; C14orf49; NET53; Nuclear envelope spectrin repeat protein 3

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: K-562

Observed Size: 112 kDa

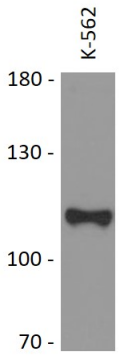
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SYNE3
Gene Full Name	spectrin repeat containing, nuclear envelope family member 3
Function	Component of SUN-protein-containing multivariate complexes also called LINC complexes which link the nucleoskeleton and cytoskeleton by providing versatile outer nuclear membrane attachment sites for cytoskeletal filaments. Involved in the maintenance of nuclear organization and structural integrity. Probable anchoring protein which tethers the nucleus to the cytoskeleton by binding PLEC which can associate with the intermediate filament system. Plays a role in the regulation of aortic epithelial cell morphology, and is required for flow-induced centrosome polarization and directional migration in aortic endothelial cells. [UniProt]
Calculated Mw	112 kDa
PTM	The disulfid bond with SUN1 or SUN2 is required for stability of the respective LINC complex under tensile forces. [UniProt]
Cellular Localization	Nucleus outer membrane; Single-pass type IV membrane protein. Nucleus envelope. Rough endoplasmic reticulum. [UniProt]

Images



ARG59839 anti-Nesprin 3 antibody WB image

Western blot: 25 µg of K-562 cell lysate stained with ARG59839 anti-Nesprin 3 antibody at 1:3000 dilution.