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Nesprin3 Antibody

Rabbit mAb
Catalog # AP93043

Product Information

Application	WB
Primary Accession	Q6ZMZ3
Reactivity	Human
Clonality	Monoclonal
Other Names	C14orf49; Nesp3; Nesprin 3; NET53; SYNE3;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	112216

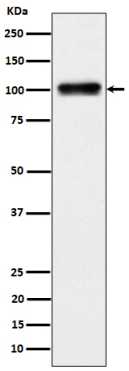
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Nesprin3
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	SYNE3 (HGNC:19861)
Function	As a component of the LINC (LInker of Nucleoskeleton and Cytoskeleton) complex involved in the connection between the nuclear lamina and the cytoskeleton. The nucleocytoplasmic interactions established by the LINC complex play an important role in the transmission of mechanical forces across the nuclear envelope and in nuclear movement and positioning. 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.
Cellular Location	Nucleus outer membrane; Single-pass type IV membrane protein. Nucleus envelope. Rough endoplasmic reticulum
Tissue Location	Expressed in aortic endothelial cells (at protein level).

Images



Western blot analysis of Nesprin3 expression in 293 cell lysate.

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