

KD-Validated Anti-Nesprin3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1465

Product Information

Application	WB, ICC
Primary Accession	Q6ZMZ3
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB4670
Calculated MW	112216
Gene Name	SYNE3
Aliases	SYNE3; Spectrin Repeat Containing Nuclear Envelope Family Member 3; Nesprin-3; LINC00341; NET53; Long Intergenic Non-Protein Coding RNA 341; Nuclear Envelope Spectrin Repeat Protein 3; KASH Domain-Containing Protein 3; NCRNA00341; C14orf139; FLJ25605; C14orf49; Nesp3; KASH3; Chromosome 14 Open Reading Frame 139; Chromosome 14 Open Reading Frame 49; Uncharacterized Protein C14orf113; Non-Protein Coding RNA 341; C14ORF139; NESPRIN-3; C14ORF49; NESP3
Immunogen	A synthesized peptide derived from human Nesprin3

Additional Information

Gene ID	161176
Other Names	Nesprin-3, KASH domain-containing protein 3, KASH3, Nuclear envelope spectrin repeat protein 3, SYNE3 (HGNC:19861)

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).

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