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SYNE3 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP10823b

Specification

SYNE3 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q6ZMZ3

SYNE3 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 161176

Other Names
Nesprin-3, Nuclear envelope spectrin repeat protein 3, SYNE3, C14orf49

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SYNE3 Antibody (C-term) Blocking peptide - 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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SYNE3 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SYNE3 Antibody (C-term) Blocking peptide - Images

SYNE3 Antibody (C-term) Blocking peptide - Background

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.

SYNE3 Antibody (C-term) Blocking peptide - References

Nery, F.C., et al. J. Cell. Sci. 121 (PT 20), 3476-3486 (2008) :Stewart-Hutchinson, P.J., et al. Exp. Cell Res. 314(8):1892-1905(2008)Wilhelmsen, K., et al. J. Cell Biol. 171(5):799-810(2005)Heilig, R., et al. Nature 421(6923):601-607(2003)