

SYNE3 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10823b**Specification**

SYNE3 Antibody (C-term) Blocking peptide - Product InformationPrimary 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).

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)