

NUDC Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16056c**Specification**

NUDC Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9Y266](#)**NUDC Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 10726**Other Names**

Nuclear migration protein nudC, Nuclear distribution protein C homolog, NUDC

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.

NUDC Antibody (Center) Blocking Peptide - Protein Information**Name** NUDC**Function**

Plays a role in neurogenesis and neuronal migration (By similarity). Necessary for correct formation of mitotic spindles and chromosome separation during mitosis (PubMed:12852857, PubMed:12679384, PubMed:25789526). Necessary for cytokinesis and cell proliferation (PubMed:12852857, PubMed:12679384).

Cellular Location

Cytoplasm, cytoskeleton. Nucleus. Cytoplasm, cytoskeleton, spindle. Midbody Note=In a filamentous pattern adjacent to the nucleus of migrating cerebellar granule cells. Colocalizes with tubulin and dynein and with the microtubule organizing center. Distributed throughout the cytoplasm of non-migrating cells. A small proportion is nuclear, in a punctate pattern. Localizes to the mitotic spindle in a EML4-dependent manner (PubMed:25789526).

Tissue Location

Ubiquitous. Highly expressed in fetal liver, kidney, lung and brain. Highly expressed in adult

pancreas, kidney, skeletal muscle, liver, lung, placenta, prostate, brain and heart

NUDC Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NUDC Antibody (Center) Blocking Peptide - Images

NUDC Antibody (Center) Blocking Peptide - Background

NudC was first identified as a regulator of nuclear movement in the asexual reproductive cycle of the filamentous fungus *Aspergillus nidulans*. Human NUDC is a nuclear movement protein that associates with dynein (see DYNC1H1; MIM 600112)(Aumais et al., 2003 [PubMed 12679384]).

NUDC Antibody (Center) Blocking Peptide - References

Zhu, X.J., et al. J. Biol. Chem. 285(39):29903-29910(2010)Chen, W.M., et al. J. Biol. Chem. 285(34):26697-26709(2010)Pang, S.F., et al. Exp. Cell Res. 315(20):3563-3573(2009)Tang, Y.S., et al. Leukemia 22(5):1018-1025(2008)Zhang, Y.P., et al. Exp. Cell Res. 313(15):3210-3221(2007)