

NUDC Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16056c

Specification

NUDC Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q9Y266
Other Accession	NP_006591.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	38243
Antigen Region	105-133

NUDC Antibody (Center) - Additional Information

Gene ID 10726

Other Names

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

Target/Specificity

This NUDC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 105-133 amino acids from the Central region of human NUDC.

Dilution

WB~~1:1000

Format

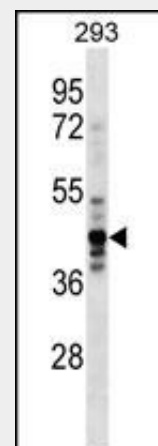
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NUDC Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.



NUDC Antibody (Center) (Cat. #AP16056c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the NUDC antibody detected the NUDC protein (arrow).

NUDC Antibody (Center) - 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) - 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)

NUDC Antibody (Center) - 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:<a href="http://www.uniprot.org/citations/12852857"

target="_blank">12852857),

PubMed:<a href="http://www.uniprot.org/citations/12679384"

target="_blank">12679384),

PubMed:<a href="http://www.uniprot.org/citations/25789526"

target="_blank">25789526).

Necessary for cytokinesis and cell proliferation (PubMed:<a href="http://www.uniprot.org/citations/12852857"

target="_blank">12852857),

PubMed:<a href="http://www.uniprot.org/citations/12679384"

target="_blank">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) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)