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Anti-NUDC Rabbit Monoclonal Antibody

Catalog # ABO15665

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	Q9Y266
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-NUDC Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	10726
Other Names	Nuclear migration protein nudC, Nuclear distribution protein C homolog, NUDC
Calculated MW	38243
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 22N41
Immunogen	A synthesized peptide derived from human NUDC
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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:12679384, PubMed:12852857, PubMed:25789526). Necessary for cytokinesis and cell proliferation (PubMed:12679384, PubMed:12852857).

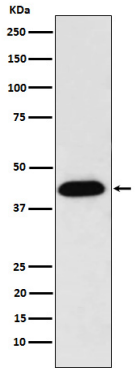
Cellular Location

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

Images



Western blot analysis of NUDC expression in HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.