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NUDC Antibody

Rabbit mAb
Catalog # AP92245

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	Q9Y266
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	HNUDC; MNUDC; NPD011; nudC; SIG92;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	38243

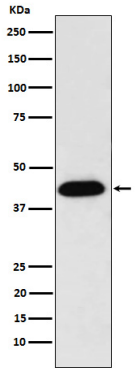
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human NUDC
Description	Plays a role in neurogenesis and neuronal migration (By similarity). Necessary for correct formation of mitotic spindles and chromosome separation during mitosis. Necessary for cytokinesis and cell proliferation.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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'.