

NUDC Polyclonal Antibody

Catalog # AP71392

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q9Y266
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38243

Additional Information

Gene ID	10726
Other Names	NUDC; Nuclear migration protein nudC; Nuclear distribution protein C homolog
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

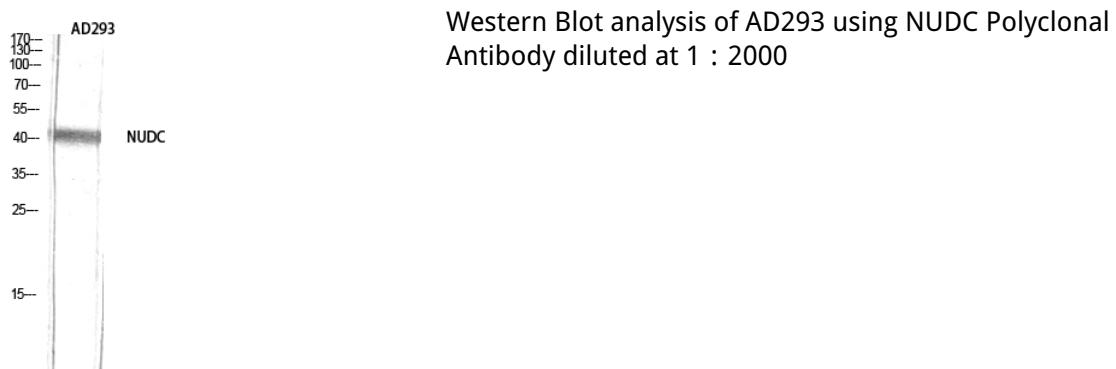
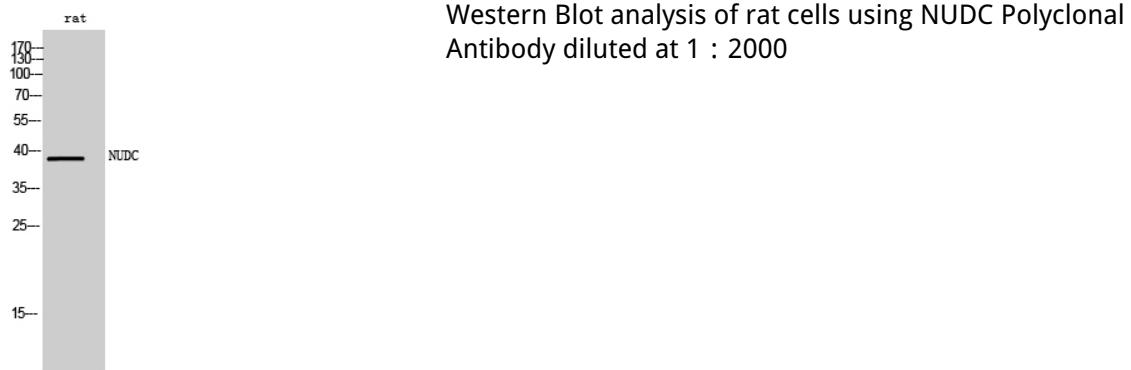
Protein Information

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

Background

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.

Images



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