



NUDC (phospho Ser326) Polyclonal Antibody

E20-60826

Catalog Number:E20-60826

Host Species:Polyclonal, Rabbit

Purification:The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Immunogen Description:The antiserum was produced against synthesized peptide derived from human NudC around the phosphorylation site of Ser326. AA range:282-331

Calculated MW:38243Da

Formulation:Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Gene Name:NUDC

Dilution:Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

Protein Name:Nuclear migration protein nudC

Human Gene Id:10726

Human Swiss Prot No:Q9Y266

Mouse Gene Id:18221

Mouse Swiss Prot No:O35685

Rat Gene Id:29648

Rat Swiss Prot No:Q63525

Specificity:Phospho-NUDC (S326) Polyclonal Antibody detects endogenous levels of NUDC protein only when phosphorylated at S326.

Concentration:1 mg/ml

Storage Stability:-20°C/1 year

Other Name:NUDC; Nuclear migration protein nudC; Nuclear distribution protein C homolog

Observed Band(KD):45

Background:nuclear distribution C, dynein complex regulator(NUDC) Homo sapiens This gene encodes a nuclear

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distribution protein that plays an essential role in mitosis and cytokinesis. The encoded protein is involved in spindle formation during mitosis and in microtubule organization during cytokinesis. Pseudogenes of this gene are found on chromosome 2. [provided by RefSeq, Feb 2012],

Function:function: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.,induction:Up-regulated in actively dividing hematopoietic precursor cells. Up-regulated in cultured erythroleukemia TF-1 cells by granulocyte-macrophage colony-stimulating factor. Strongly down-regulated during maturation of erythroid precursor cells.,PTM:Reversibly phosphorylated on serine residues during the M phase of the cell cycle. Phosphorylation on Ser-274 and Ser-326 is necessary for correct formation of mitotic spindles and chromosome separation during mitosis. Phosphorylated by PLK and other kinases.,similarity:Belongs to the nudC family.,similarity:Contains 1 CS domain.,subcellular location:In a filamentous pattern adjacent to the nucleus of migrating cerebel

Subcellular Location:nucleoplasm,cytoplasm,cytosol,microtubule,cell-cell adherens junction,integral component of membrane,

Expression:Epithelium,Eye,Heart,Kidney,Lung,Periodontal ligament,Pitui

