



## Rabbit Anti-phospho-NUDC (Ser326) antibody

SL7842R

<b>Product Name:</b>	phospho-NUDC (Ser326)
<b>Chinese Name:</b>	磷酸化The nucleus分离基因C蛋白抗体
<b>Alias:</b>	NUDC (phospho S326); NUDC (phospho Ser326); p-NUDC(S326); p-NUDC(Ser326); HNUDC; MNUDC; MNUDC protein; NPD011; Nuclear distribution gene C (A.nidulans) homolog; Nuclear distribution gene C homolog; Nuclear distribution gene C homolog (A. nidulans); Nuclear distribution protein C homolog; Nuclear migration protein nudC; nudC; NUDC HUMAN; OTTHUMP00000004405; SIG 92; SIG92.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	38kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthesised phosphopeptide derived from human NUDC around the phosphorylation site of Ser326:DF(p-S)KA
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a nuclear 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:**

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.

**Subunit:**

Binds PLK1. Binds PAFAH1B1 (By similarity). Part of a complex containing PLK1, NUDC, dynein and dynactin.

**Subcellular Location:**

Cytoplasm, cytoskeleton. Nucleus. 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.

**Tissue Specificity:**

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.

**Post-translational modifications:**

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.  
Contains 1 CS domain.

**SWISS:**

Q9Y266

**Gene ID:**

10726

**Database links:**

[Entrez Gene: 10726](#)Human

[Entrez Gene: 18221](#)Mouse

[Entrez Gene: 29648](#)Rat

[Omim: 610325](#)Human

[SwissProt: Q9Y266](#)Human

[SwissProt: O35685](#)Mouse

[SwissProt: Q63525](#)Rat

[Unigene: 263812](#)Human

[Unigene: 69](#)Mouse

[Unigene: 10413](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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