Best Tools for immunology Research

# NUDC (phospho Ser326) Polyclonal Antibody

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| **Catalog No :** | YP0826 |
| **Reactivity :** | Human;Mouse;Rat |
| **Applications :** | WB;IHC;IF;ELISA |
| **Target :** | NUDC |
| **Gene Name :** | NUDC |
| **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 |
| **Immunogen :** | The antiserum was produced against synthesized peptide derived from human NudC around the phosphorylation site of Ser326. AA range:282-331 |
| **Specificity :** | Phospho-NUDC (S326) Polyclonal Antibody detects endogenous levels of NUDC protein only when phosphorylated at S326. |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Polyclonal, Rabbit,IgG |
| **Dilution :** | WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200 |
| **Purification :** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

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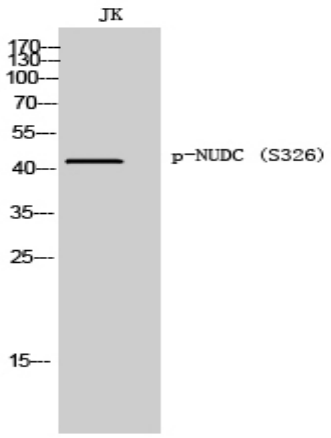
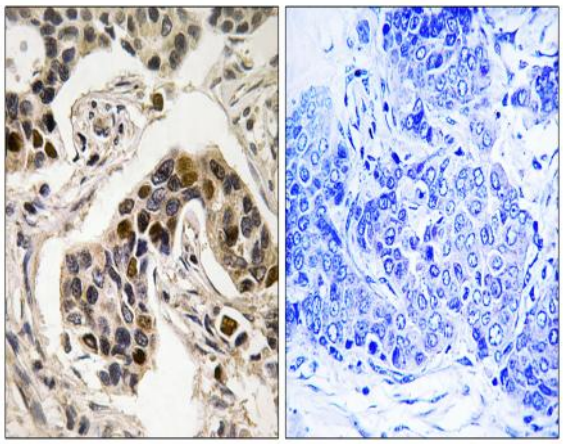
| **Concentration :** | 1 mg/ml |
| **Storage Stability :** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Observed Band :** | 45kD |
| **Background :** | This gene encodes a nuclear distribution protein that plays an essential role in mitosis and cytokinesis. The encoded protein is involved 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 :** | 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 :** | Cytoplasm, cytoskeleton. Nucleus . Cytoplasm, cytoskeleton, spindle . Midbody . 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). . |
| **Expression :** | 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. |

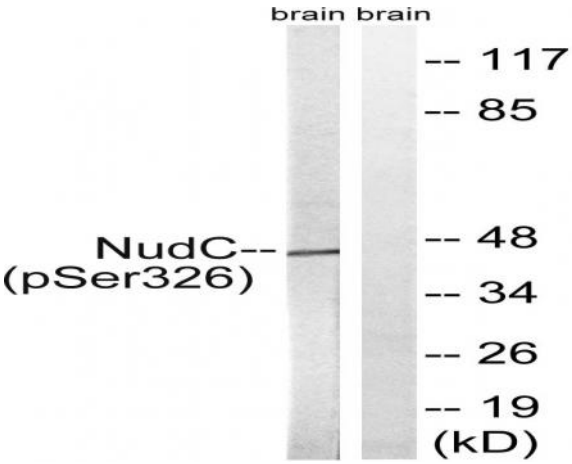
## Products Images




Western Blot analysis of JK cells using Phospho-NUDC (S326) Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using NudC (Phospho-Ser326) Antibody. The picture on the right is blocked with the phospho peptide.




Western blot analysis of lysates from rat brain, using NudC (Phospho-Ser326) Antibody. The lane on the right is blocked with the phospho peptide.