

## Rabbit anti-Human, Mouse NUDC Polyclonal Antibody | anti-NUDC antibody

Rabbit anti-NUDC Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                            |
|-----------|--------|--------------|---------------------------------------------------------|
| AAA212746 | Rabbit | Human, Mouse | Immunohistochemistry, Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

NUDC; Polyclonal Antibody; Rabbit anti-NUDC Antibody; Affinity Purified; NPD011; nudC nuclear distribution protein; nuclear migration protein nudC; nuclear distribution protein C homolog; nuclear distribution C homolog; MNUDC; HNUDC; nuclear distribution gene C homolog; Nuclear migration protein nudC; nuclear distribution C; dynein complex regulator; anti-NUDC antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                    |
| Reactivity                                     | Human, Mouse                                                                              |
| Clonality                                      | Polyclonal                                                                                |
| Purity/Purification                            | Antigen Affinity Purified                                                                 |
| Form/Format                                    | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                  | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-NUDC antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)                   |
| Predicted Reactivity                           | Rat, Chicken                                                                              |
| Immunogen                                      | Between 281 and C-terminus                                                                |
| Conjugation                                    | Unconjugated                                                                              |
| Preparation and Storage                        | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



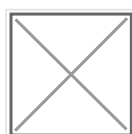
#### WB (Western Blot)

Detection of human and mouse NUDC by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-NUDC antibody AAA212746 (lot AAA212746-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



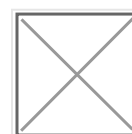
#### IP (Immunoprecipitation)

Detection of human NUDC by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-NUDC antibody AAA212746 (lot AAA212746-1) used for IP at 6 ug per reaction. NUDC was also immunoprecipitated by rabbit anti-NUDC antibody BL17120. For blotting immunoprecipitated NUDC, AAA212746 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



#### IHC (Immunohistochemistry)

Detection of mouse NUDC by immunohistochemistry. Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti-NUDC (Cat. No. AAA212746 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



#### IHC (Immunohistochemistry)

Detection of human NUDC by immunohistochemistry. Sample: FFPE section of human testicular seminoma. Antibody: Affinity purified rabbit anti-NUDC (Cat. No. AAA212746 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NUDC antibody | Nuclear distribution protein C homolog (NUDC) is 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 [taken from NCBI Entrez Gene (Gene ID: 10726)]. |
| Product Categories/Family for anti-NUDC antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 5729953                                                                                                     |
| NCBI GeneID                      | 10726                                                                                                       |
| NCBI Accession #                 | NP_006591.1                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_006600.3                                                                                                 |
| UniProt Accession #              | Q9Y266; Q5QP31; Q5QP35; Q9H0N2; Q9Y2B6                                                                      |
| Molecular Weight                 | 38,243 Da                                                                                                   |
| NCBI Official Full Name          | nuclear migration protein nudC                                                                              |
| NCBI Official Synonym Full Names | nuclear distribution C homolog (A. nidulans)                                                                |
| NCBI Official Symbol             | NUDC                                                                                                        |
| NCBI Official Synonym Symbols    | HNUDC; MNUDC; NPD011                                                                                        |
| NCBI Protein Information         | nuclear migration protein nudC; nuclear distribution gene C homolog; nuclear distribution protein C homolog |
| UniProt Protein Name             | Nuclear migration protein nudC                                                                              |
| UniProt Gene Name                | <b>NUDC</b>                                                                                                 |
| UniProt Entry Name               | NUDC_HUMAN                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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