

Rabbit anti-Human NUDC Polyclonal Antibody | anti-NUDC antibody

Anti-NUDC Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255805	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

NUDC; Polyclonal Antibody; Anti-NUDC Antibody; Rabbit Polyclonal; NUDC Antibody; Rabbit PAb; Antigen Affinity Purified; nudC nuclear distribution protein; Anti-HNUDC Antibody; Anti-MNUDC Antibody; Anti-NPD011 Antibody; anti-NUDC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NUDC
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NUDC antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human NUDC Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human NUDC (rh NUDC). NUDC specific IgG was purified by Human NUDC affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-NUDC rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lane C: NIH3T3 Whole Cell Lysate Lane D: Raw264.7 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti- Rabbit IgG (H&L) (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 38 kDa Observed band size: 46 kDa



IP (Immunoprecipitation)

NUDC-His(C) was immunoprecipitated using: Lane A: 0.5 mg Raw264.7 Whole Cell Lysate Lane B: 0.5 mg Jurkat Whole Cell Lysate Lane C: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-NUDC-His(C) rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-NUDC-His(C) rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 36 kDa Observed band size: 42 kDa



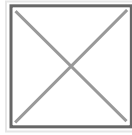
IF (Immunofluorescence)

Immunofluorescence staining of NUDC in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human NUDC polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human NUDC in human kidney with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human NUDC in human brain with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-NUDC antibody

NUDC (Nuclear Distribution C, Dynein Complex Regulator) is a Protein Coding gene. NUDC consists of at least 9 exons ranging from 66 bp to 266 bp in size and 8 introns from 92 bp to 2.0 kb in length, and the total genomic region spans about 8 kb. NUDC was mapped to 1p34-p35 by fluorescence in situ hybridization. This gene encodes a nuclear distribution protein that plays an essential role in mitosis and cytokinesis. Nuclear migration is essential for the growth, development, and cellular function of eukaryotes. NUDC protein plays an important role in nuclear migration. It is widely expressed in the testis, adrenal, and other tissues. NUDC protein is expressed highly in CNE-2 and HNE-2 cells. Anti-NUDC antibody could inhibit the growth of CNE-2 and HNE-2 cells.

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	NUDC
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/nudc-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/255805>