

Rabbit anti-Human NUP62 Polyclonal Antibody | anti-NUP62 antibody

Anti-NUP62 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256622	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

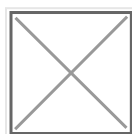
PRODUCT SYNONYMS

NUP62; Polyclonal Antibody; Anti-NUP62 Antibody; Rabbit Polyclonal; NUP62 Antibody; Rabbit PAb; Antigen Affinity Purified; nucleoporin 62kDa; Anti-IBSN Antibody; Anti-p62 Antibody; Anti-SND1 Antibody; anti-NUP62 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NUP62
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NUP62 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human NUP62 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NUP62 fragment, and purified by antigen 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. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

NUP62 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate, 4 uL anti-NUP62 rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-NUP62 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 53 kDa. Observed band size: 70 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of NUP62 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human NUP62 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to nuclear membrane.



WB (Western Blot)

Anti-NUP62 rabbit polyclonal antibody at 1:500 dilution Lane A: A431 Whole Cell Lysate Lane B: HepG2 Whole Cell Lysate Lane C: Jurkat Whole Cell Lysate Lane D: MOLT-4 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 53 kDa Observed band size: 70 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NUP62 antibody	As one of the FG-repeats containing nucleoporins, Nup62 is involved in nuclear transport, cell migration, virus infection, and cell cycle regulation. Nucleoporin Nup62 localizes at the central channel of the nuclear pore complex and is essential for nucleocytoplasmic transport. Through its FG-repeat domain, Nup62 regulates nuclear pore permeability and binds nuclear transport receptors. Nucleoporin Nup62 plays a novel role in centrosome integrity. Knockdown of Nup62 induced mitotic arrest in G 2/M phases and mitotic cell death. Depletion of Nup62 using RNA interference results in defective centrosome segregation and centriole maturation during the G 2 phase. Moreover, Nup62 depletion in human cells leads to the appearance of multinucleated cells and induces the formation of multipolar centrosomes, centriole synthesis defects, dramatic spindle orientation defects, and centrosome component rearrangements that impair cell bi-polarity.
References	Wu Z, et al. (2016) Nup62, associated with spindle microtubule rather than spindle matrix, is involved in chromosome alignment and spindle assembly during mitosis. Cell Biol Int 40 (9): 968-975. Hubert T, et al. (2009) Exo70-mediated recruitment of nucleoporin nup62 at the leading edge of migrating cells is required for cell migration. Traffic 10 (9): 1257-1271. Hashizume C, et al. (2013) Nucleoporin nup62 maintains centrosome homeostasis. Cell Cycle 12 (24): 3804-3816.

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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nup62-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256622>