

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

Anti-NIFK Antibody, Rabbit Polyclonal

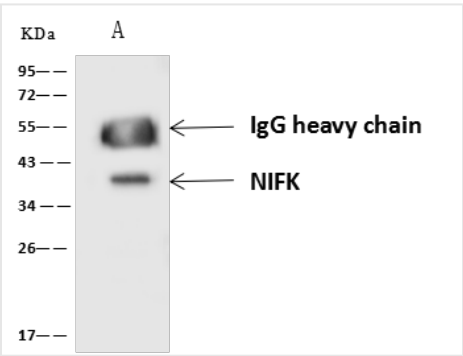
CATALOG # AAA255964	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

NIFK; Polyclonal Antibody; Anti-NIFK Antibody; Rabbit Polyclonal; NIFK Antibody; Rabbit PAb; Antigen Affinity Purified; nucleolar protein interacting with the FHA domain of MKI67; Anti-MKI67IP Antibody; Anti-Nopp34 Antibody; anti-NIFK antibody

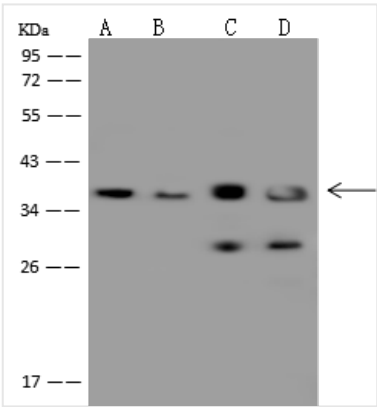
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NIFK
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NIFK antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human NIFK fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NIFK 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.



IP (Immunoprecipitation)

NIFK was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate 4 uL anti-NIFK rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-NIFK rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 34 kDa. Observed band size: 38 kDa.



WB (Western Blot)

Anti-NIFK rabbit polyclonal antibody at 1:500 dilution. Lane A: K562 Whole Cell Lysate. Lane B: RPMI-8226 Whole Cell Lysate. Lane C: U2OS Whole Cell Lysate. Lane D: U-251 MG 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: 34 kDa. Observed band size: 38 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NIFK antibody	NIFK (Nucleolar Protein Interacting With The FHA Domain Of MKI67) is a Protein Coding gene. The NIFK gene, located on 2q14.3, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, A.thaliana, rice, and frog. This gene encodes a protein that interacts with the forkhead-associated domain of the Ki-67 antigen. The encoded protein may bind RNA and may play a role in mitosis and cell cycle progression. The forkhead-associated (FHA) domain of human Ki67 interacts with the human nucleolar protein hNIFK, recognizing a 44-residue fragment, hNIFK226-269, phosphorylated at Thr234. NIFK is transactivated by c-Myc, the key regulator of ribosome biogenesis. Multiple pseudogenes exist on chromosomes 5, 10, 12, 15, and 19.
References	Pan WA, et al. (2015) The rna recognition motif of nifk is required for rna maturation during cell cycle progression. RNA Biol 12 (3): 255-267. Li H, et al. (2004) Structure of human ki67 fha domain and its binding to a phosphoprotein fragment from hnifk reveal unique recognition sites and new views to the structural basis of fha domain functions. J Mol Biol 335 (1): 371-381. Byeon IJ, et al. (2005) Sequential phosphorylation and multisite interactions characterize specific target recognition by the fha domain of ki67. Nat Struct Mol Biol 12 (11): 987-993.

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.