

Rabbit anti-Human CDC42 Polyclonal Antibody | anti-CDC42 antibody

Anti-CDC42 Antibody, Rabbit Polyclonal

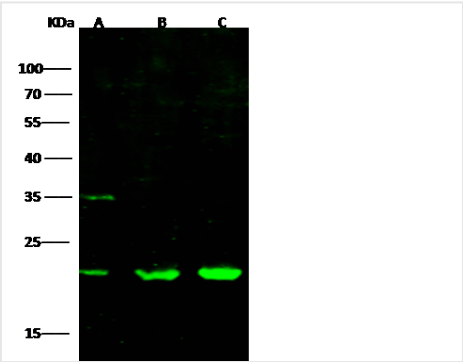
CATALOG # AAA254292	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, Western Blot
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PRODUCT SYNONYMS

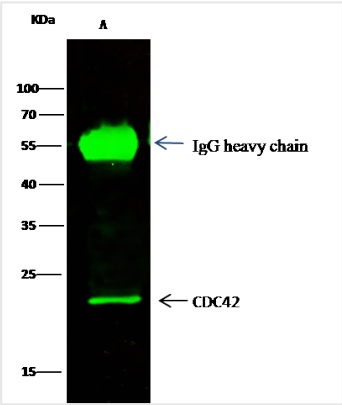
CDC42; Polyclonal Antibody; Anti-CDC42 Antibody; Rabbit Polyclonal; CDC42 Antibody; Rabbit PAb; Antigen Affinity Purified; cell division cycle 42; Anti-CDC42Hs Antibody; Anti-G25K Antibody; anti-CDC42 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CDC42
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CDC42 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human CDC42 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CDC42 (rh CDC42). CDC42 specific IgG was purified by Human CDC42 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.



WB (Western Blot)
Anti-CDC42 rabbit polyclonal antibody at 1:500 dilution
Lane A: HepG2 Whole Cell Lysate
Lane B: Jurkat Whole Cell Lysate
Lane C: HeLa Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 21 kDa
Observed band size: 21 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)
CDC42 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate
2 uL anti-CDC42 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose.
Primary antibody: Anti-CDC42 rabbit polyclonal antibody, at 1:200 dilution
Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution
Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 21 kDa
Observed band size: 21 kDa

ADDITIONAL INFORMATION

Product Categories/Family for anti-CDC42 antibody	Non-Canonical Wnt Pathway
References	et al. Shinjo K, et al. (1990) Molecular cloning of the gene for the human placental GTP-binding protein Gp (G25K): identification of this GTP-binding protein as the human homolog of the yeast cell-division-cycle protein CDC42. Proc Natl Acad Sci. 87(24):9853-7. Munemitsu S, et al. (1990) Molecular cloning and expression of a G25K cDNA, the human homolog of the yeast cell cycle gene CDC42. Mol Cell Biol. 10(11):5977-82. Walker S J, et al. (2000) Activation of phospholipase D1 by Cdc42 requires the Rho insert region. J Biol Chem. 275(21):15665-8. Low B C, et al. (1999) Tyrosine phosphorylation of the Bcl-2-associated protein BNIP-2 by fibroblast growth factor receptor-1 prevents its binding to Cdc42GAP and Cdc42. J Biol Chem. 274(46): 33123-30. Zhang B, et al. (1998) Interaction of Rac1 with GTPase-activating proteins and putative effectors. A comparison with Cdc42 and RhoA. J Biol Chem. 273(15):8776-82.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757952
NCBI GeneID	998
NCBI Accession #	NP_001782.1
NCBI GenBank Nucleotide #	NM_001791.3
UniProt Accession #	P60953; P21181; P25763; Q7L8R5; Q9UDI2
Molecular Weight	21,259 Da
NCBI Official Full Name	cell division control protein 42 homolog isoform 1
NCBI Official Synonym Full Names	cell division cycle 42
NCBI Official Symbol	CDC42
NCBI Official Synonym Symbols	G25K; CDC42Hs
NCBI Protein Information	cell division control protein 42 homolog; G25K GTP-binding protein; GTP-binding protein, 25kD; growth-regulating protein; GTP binding protein, 25kDa; small GTP binding protein CDC42; dJ224A6.1.1 (cell division cycle 42 (GTP-binding protein, 25kD)); dJ224A
UniProt Protein Name	Cell division control protein 42 homolog

UniProt Gene Name	CDC42
UniProt Entry Name	CDC42_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdc42-antibody-immunoprecipitation-western-blot-elisa/254292>