

Rabbit anti-Human CDC37 Polyclonal Antibody | anti-CDC37 antibody

Anti-CDC37 Antibody, Rabbit Polyclonal

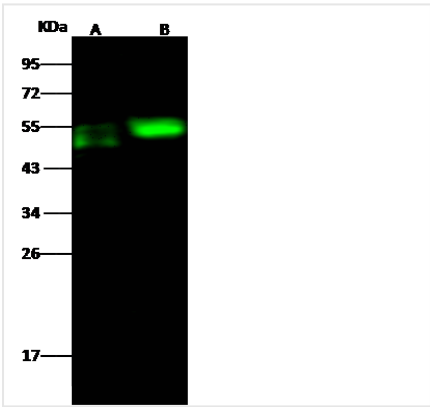
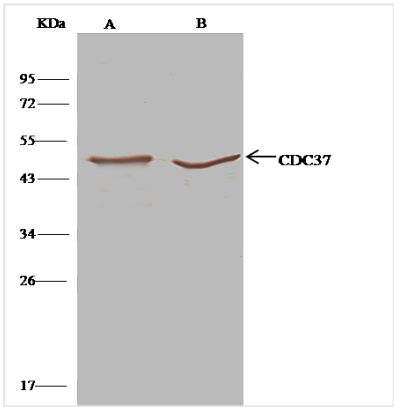
CATALOG # AAA254601	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

CDC37; Polyclonal Antibody; Anti-CDC37 Antibody; Rabbit Polyclonal; CDC37 Antibody; Rabbit PAb; Antigen Affinity Purified; cell division cycle 37; Anti-P50CDC37 Antibody; anti-CDC37 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CDC37
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CDC37 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human CDC37
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human CDC37, 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. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

CDC37 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate; Lane B: 0.5 mg K562 Whole Cell Lysate; 4 μ L anti-CDC37 rabbit polyclonal antibody and 15 μ L of 50 % Protein G agarose. Primary antibody: Anti-CDC37 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:500 dilution. Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 50 kDa. Observed band size: 50 kDa.

WB (Western Blot)

Anti-CDC37 rabbit polyclonal antibody at 1:500 dilution. Lane A: Jurkat Whole Cell Lysate; Lane B: K562 Whole Cell Lysate. Lysates/proteins at 30 μ g per lane. Secondary: Goat Anti-Rabbit γ -IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 44 kDa. Observed band size: 50 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CDC37 antibody	CDC37 is a protein that is expressed in proliferative zones during embryonic development and in adult tissues, consistent with a positive role in proliferation and is required for cell division in budding yeast. CDC37 is thought to play an important role in the establishment of signaling pathways controlling cell proliferation through targeting intrinsically unstable oncoprotein kinases such as Cdk-4, Raf-1, and src to the molecular chaperone Hsp90. Decreased Hsp90 expression can reduce the levels of microtubule-associated protein tau, whose overexpression may induce many diseases. CDC37 is considered as a co-chaperone that is classified as Hsp90's accessory proteins. It has been reported that suppression of Cdc37 destabilized tau, leading to its clearance, whereas cdc37 overexpression preserved tau. Cdc37 was found to co-localize with tau in neuronal cells and to physically interact with tau from human brain. Moreover, Cdc37 levels significantly increased with age.
Product Categories/Family for anti-CDC37 antibody	AKT Signaling Pathway
References	Dai K, et al. (1996) Physical Interaction of Mammalian CDC37 with CDK4. The journal of biological chemistry. 271: 22030-4. Pearl LH, et al. (2005) Hsp90 and Cdc37-a chaperone cancer conspiracy. Current opinion in genetics development. 15 (1): 55-61. Chen GQ, et al. (2002) TNF-Induced Recruitment and Activation of the IKK Complex Require Cdc37 and Hsp90. Molecular cell. 9 (2): 401-10.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5901922
NCBI GeneID	11140
NCBI Accession #	NP_008996.1
NCBI GenBank Nucleotide #	NM_007065.3
UniProt Accession #	Q16543; Q53YA2
Molecular Weight	44,468 Da
NCBI Official Full Name	hsp90 co-chaperone Cdc37
NCBI Official Synonym Full Names	cell division cycle 37
NCBI Official Symbol	CDC37
NCBI Official Synonym Symbols	P50CDC37

NCBI Protein Information	hsp90 co-chaperone Cdc37; cell division cycle 37 homolog; CDC37 cell division cycle 37 homolog; hsp90 chaperone protein kinase-targeting subunit; CDC37 (cell division cycle 37, S. cerevisiae, homolog)
UniProt Protein Name	Hsp90 co-chaperone Cdc37
UniProt Gene Name	CDC37
UniProt Synonym Gene Names	CDC37A
UniProt Entry Name	CDC37_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/cdc37-antibody-immunoprecipitation-western-blot-elisa/254601>