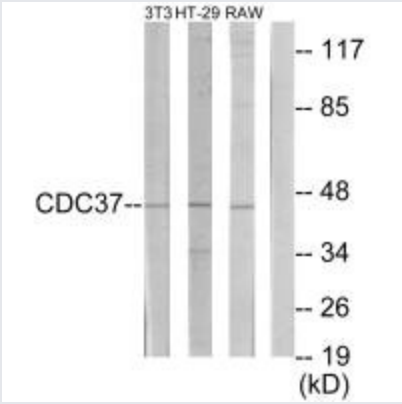
CDC37 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDC37, Polyclonal Antibody
Full Product Name	CDC37 Antibody
Product Gene Name	anti-CDC37 antibody
Product Synonym Names	CC37; Hsp90 chaperone protein kinase-targeting subunit; Hsp90 co-chaperone Cdc37; p50Cdc37
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; Rabbit IgG In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	44,468 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (10501809..10514271, complement). Location: 19p13.2
OMIM	605065
3D Structure	ModBase 3D Structure for Q16543
Immunogen	Synthesized peptide derived from internal of human p50 CDC37.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CDC37 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDC37 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-CDC37 antibody	WB: 1:500-1:3000
Related Product Information for anti-CDC37 antibody	MBS7131042 is an antibody targeting CDC37. Also known as CDC37 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-CDC37 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CDC37 antibody
Western blot analysis of extracts from NIH-3T3 cells, HT-29 cells and RAW264.7 cells, using p50 CDC37 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDC37. It may not necessarily be applicable to this product.

NCBI GI #	5901922
NCBI GeneID	11140
NCBI Accession #	NP_008996.1
UniProt Primary Accession #	Q16543
UniProt Secondary Accession #	Q53YA2
UniProt Related Accession #	Q16543
GenBank Nucleotide #	NM_007065.3
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
UniProt Protein Name	Hsp90 co-chaperone Cdc37
UniProt Synonym Protein Names	Hsp90 chaperone protein kinase-targeting subunit; p50Cdc37
Protein Family	Hsp90 co-chaperone
UniProt Gene Name	CDC37
UniProt Synonym Gene Names	CDC37A
UniProt Entry Name	CDC37_HUMAN
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)
NCBI Summary for CDC37	The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of Sacchromyces cerevisiae. This protein is a molecular chaperone with specific function in cell signal transduction. It has been shown to form complex with Hsp90 and a variety of protein kinases including CDK4, CDK6, SRC, RAF-1, MOK, as well as eIF2 alpha kinases. It is thought to play a critical role in directing Hsp90 to its target kinases. [provided by RefSeq, Jul 2008]

UniProt Comments for CDC37	CDC37: a molecular chaperone that functions in cell signal transduction. Forms complexes with Hsp90 and a variety of protein kinases including CDK4, CDK6, SRC, RAF-1, MOK, as well as eIF2 alpha kinases. Also interacts with androgen receptor. It is thought to play a critical role in directing Hsp90 to its target kinases. Protein type: Chaperone Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: protein complex; cytoplasm; cytosol Molecular Function: protein kinase B binding; protein binding; heat shock protein binding; chaperone binding; unfolded protein binding; Hsp90 protein binding; mitogen-activated protein kinase kinase kinase binding; kinase binding Biological Process: protein stabilization; protein folding; regulation of cyclin-dependent protein kinase activity; protein targeting
Research Articles on CDC37	**1.** ERK5 interacts with the Hsp90-Cdc37 chaperone in resting cells, and inhibition of Hsp90 or Cdc37 results in ERK5 ubiquitylation and proteasomal degradation.
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