

Mouse anti-Human CDC37 Monoclonal Antibody | anti-CDC37 antibody

CDC37 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48246	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

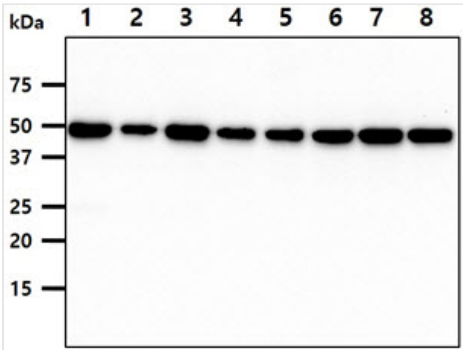
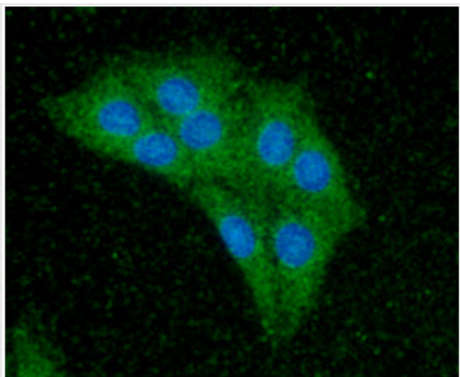
PRODUCT SYNONYMS

CDC37; Monoclonal Antibody; CDC37 antibody; Cell division cycle 37 homolog; P50CDC37; Cell division cycle 37 homolog S cerevisiae hypothetical protein CDC37; CDC 37; CDC37 cell division cycle 37 homolog; Cdc37 homolog; CDC37 protein; Hsp90 chaperone protein kinase targeting subunit; Hsp90 chaperone protein kinase targeting subunit p50Cdc37; Hsp90 co chaperone Cdc37; p50; p50Cdc37.; anti-CDC37 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT3G7
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	378
Applicable Applications for anti-CDC37 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CDC37 (1-378aa) purified from E. coli
Clone Note	Anti-human CDC37 mAb, clone AT3G7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CDC37 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)
The cell line and tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CDC37 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : Jurkat cell lysate Lane 2. : A431 cell lysate Lane 3. : K562 cell lysate Lane 4. : LnCap cell lysate Lane 5. : SW480 cell lysate Lane 6. : HeLa cell lysate Lane 7. : MCF7 cell lysate Lane 8. : 293T cell lysate

IF (Immunofluorescence)
ICC/IF analysis of CDC37 in Balb/3T3 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CDC37 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

ADDITIONAL INFORMATION

Related Product Information for anti-CDC37 antibody	The protein encoded by this gene is highly similar to CDC37, a cell division cycle control protein of <i>Saccharomyces cerevisiae</i> . 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, RAF1, MOK, as well as eIF-2 alpha kinases. It is thought to play a critical role in directing Hsp90 to its target kinases.
Product Categories/Family for anti-CDC37 antibody	Cell Cycle
References	Quotti Tubi, et al. (2013) J Hematol Oncol. 6: 78.; Manni S., et al. (2012) Clin Cancer Res. 18: 1888-900.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5901922
NCBI GeneID	11140
NCBI Accession #	NP_008996
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
UniProt Protein Name	Hsp90 co-chaperone Cdc37
UniProt Gene Name	CDC37
UniProt Synonym Gene Names	CDC37A

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.

