Product Name: KD-Validated CDC37 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01401
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 44.5kDa

Antigen Information

Gene Name	CDC37
Alternative Names	CDC37; Cell Division Cycle 37, HSP90 Cochaperone; Hsp90 Co-Chaperone Cdc37; P50CDC37; CDC37 (Cell Division Cycle 37, S. Cerevisiae, Homolog); Hsp90 Chaperone Protein Kinase-Targeting Subunit; CDC37 Cell Division Cycle 37 Homolog; CDC37 Cell Division Cycle 37 Homolog (S. Cerevisiae); Cell Division Cycle 37 Homolog (S. Cerevisiae); Cell Division Cycle 37 Homolog; P50Cdc37; CDC37A
Gene ID	11140.0
SwissProt ID	Q16543
Immunogen	A synthesized peptide derived from human Cdc37

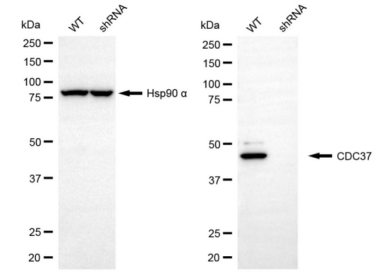
Background

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]

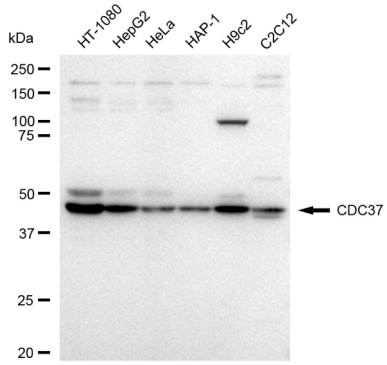
Research Area

Cell Biology,Epigenetics and Nuclear Signaling

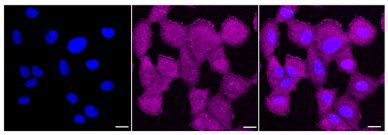
Image Data



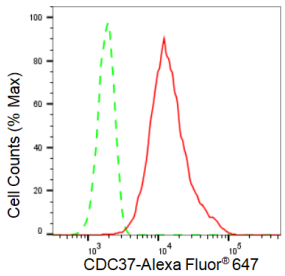
Western blotting analysis using CDC37 antibody (KVAb01401). CDC37 expression in wild type (WT) and CDC37 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CDC37 antibody (KVAb01401, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CDC37 antibody (KVAb01401). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CDC37 antibody (KVAb01401, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with CDC37 antibody (KVAb01401, 1:1,000). Nuclei were stained blue with DAPI; CDC37 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of CDC37 expression in HT-1080 cells using CDC37 antibody (KVAb01401, 1:2,000). Green, isotype control; red, CDC37.