

Cdc37 Rabbit mAb

Catalog No: #49221

Package Size: #49221-1 50ul #49221-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

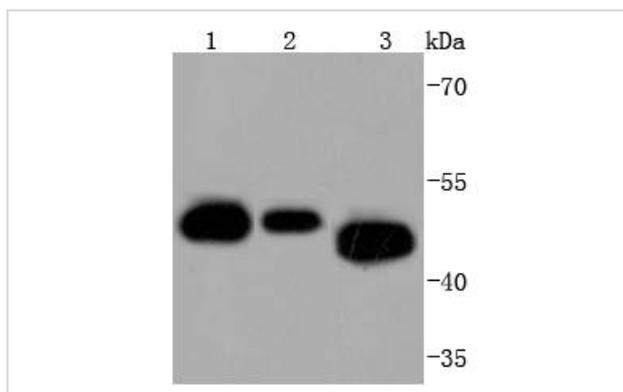
Description

Product Name	Cdc37 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ087-06
Purification	ProA affinity purified
Applications	WB, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	CDC 37 antibody Cdc37 antibody CDC37 cell division cycle 37 homolog antibody CDC37 cell division cycle 37 S cerevisiae homolog antibody CDC37 cell division cycle 37, S cerevisiae, homolog of antibody Cdc37 homolog antibody CDC37 protein antibody CDC37_HUMAN antibody CDC37A antibody cell division cycle 37 antibody Cell division cycle 37 homolog antibody Hsp90 chaperone protein kinase targeting subunit antibody Hsp90 chaperone protein kinase targeting subunit p50Cdc37 antibody Hsp90 chaperone protein kinase-targeting subunit antibody Hsp90 co chaperone Cdc37 antibody Hsp90 co-chaperone Cdc37 antibody p50 antibody p50Cdc37 antibody S cerevisiae hypothetical protein CDC37 antibody
Accession No.	Swiss-Prot#:Q16543
Uniprot	Q16543
GeneID	11140;
Calculated MW	45 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

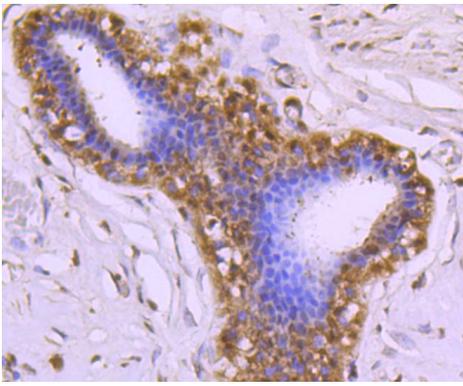
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200FC: 1:50-1:100

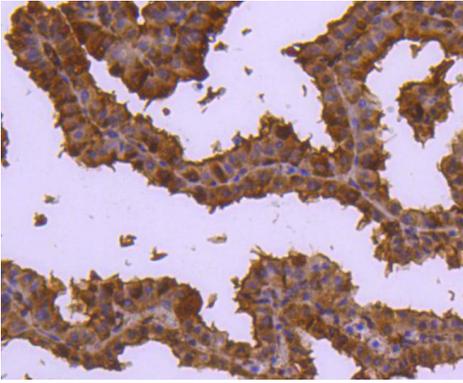
Images



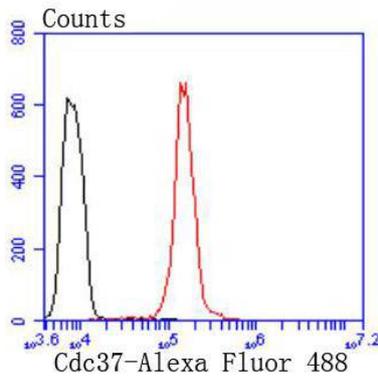
Western blot analysis of Cdc37 on different lysates using anti-Cdc37 antibody at 1/1,000 dilution. Positive control:
Lane 1: Jurkat Lane 2: A431 Lane 3: K562



Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Cdc37 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue using anti-Cdc37 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of HeLa cells with Cdc37 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

Cell cycle events are regulated by the sequential activation and deactivation of cyclin dependent kinases (Cdks) and by the proteolysis of cyclins. The cell division cycle (Cdc) genes are required at various points in the cell cycle. Cdc25A, Cdc25B and Cdc25C protein tyrosine phosphatases function as mitotic activators by dephosphorylating Cdc2 p34 on regulatory tyrosine residues. Cdc6 is the human homolog of *Saccharomyces cerevisiae* Cdc6, which is involved in the initiation of DNA replication. Cdc37 appears to facilitate Cdk4/cyclin D1 complex formation and has been shown to form a stable complex with Hsp90. Cdc34, Cdc27 and Cdc16 function as ubiquitin-conjugating enzymes. Cdc34 is thought to be the structural and functional homolog of *Saccharomyces cerevisiae* Cdc34, which is essential for the G1 to S phase transition. Cdc16 and Cdc27 are components of the APC (anaphase-promoting complex) which ubiquitinates cyclin B, resulting in cyclin B/Cdk complex degradation.

References

Note: This product is for in vitro research use only