

Cdc6 (Phospho-S54) Rabbit mAb

Catalog No: #13414

Package Size: #13414-1 50ul #13414-2 100ul

Description

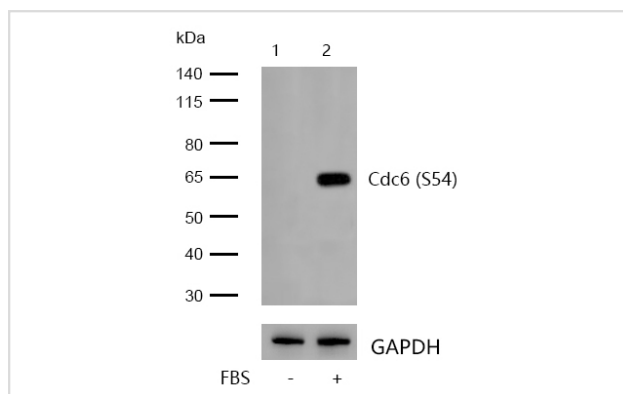
Product Name	Cdc6 (Phospho-S54) Rabbit mAb
Clonality	Monoclonal
Clone No.	SD08-47
Purification	ProA affinity purified
Applications	WB, ICC/IF
Species Reactivity	Hu
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser54 of human Cdc6.
Conjugates	Unconjugated
Other Names	Cdc 18L antibody Cdc 6 antibody CDC18 (cell division cycle 18, S.pombe, homolog) like antibody CDC18 (S.pombe) antibody Cdc18 related protein antibody CDC18(S.pombe) antibody Cdc18-related protein antibody Cdc18L antibody cdc6 antibody CDC6 cell division cycle 6 homolog antibody CDC6 related protein antibody CDC6-related protein antibody CDC6_HUMAN antibody Cdc6p antibody CELL CYCLE CONTROLLER CDC6 antibody Cell division control protein 6 antibody Cell division control protein 6 homolog antibody Cell division cycle 6 homolog (S. cerevisiae) antibody Cell division cycle 6 homolog antibody Cell division cycle 6, S. cerevisiae, homolog of antibody HsCDC 6 antibody HsCDC18 antibody HsCDC6 antibody p62 antibody p62(cdc 6) antibody p62(cdc6) antibody
Accession No.	Swiss-Prot#:Q99741
Calculated MW	Predicted band size: 63 kDa
SDS-PAGE MW	Observed band size: 63 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:2000

ICC/IF: 1:50-1:200

Images



All lanes: Cdc6 (Phospho-S54) Rabbit mAb at 1/1k dilution

Lane 1 : Jurkat whole cell lysates

Lane 2 : Jurkat treated with FBS whole cell lysates

Lysates/proteins at 20 µg per lane.

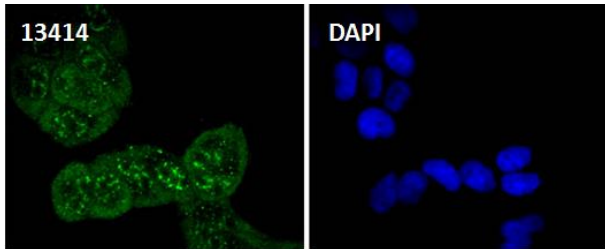
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

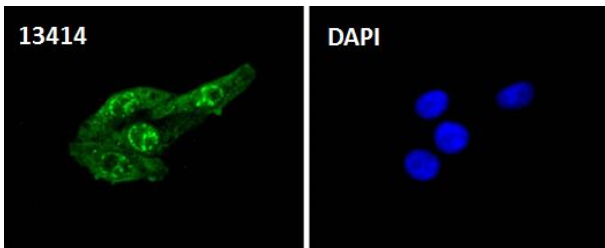
Predicted band size: 63 kDa

Observed band size: 63 kDa

Exposure time: 10 seconds



Immunocytochemistry/ Immunofluorescence Cdc6 (Phospho-S54) antibody (13414)
 ICC/IF staining of Cdc6 (Phospho-S54) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 13414 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500. Nuclei were counterstained with DAPI.



Immunocytochemistry/ Immunofluorescence Cdc6 (Phospho-S54) antibody (13414)
 ICC/IF staining of Cdc6 (Phospho-S54) in HepG2 cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 13414 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500. Nuclei were counterstained with DAPI.

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 control (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 HSP 90. 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 (x complex) which ubiquitinates cyclin B, resulting in cyclin B/Cdk complex degradation.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.