Phospho-Cdc6 (S54) Rabbit mAb

Catalog No: #13414

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

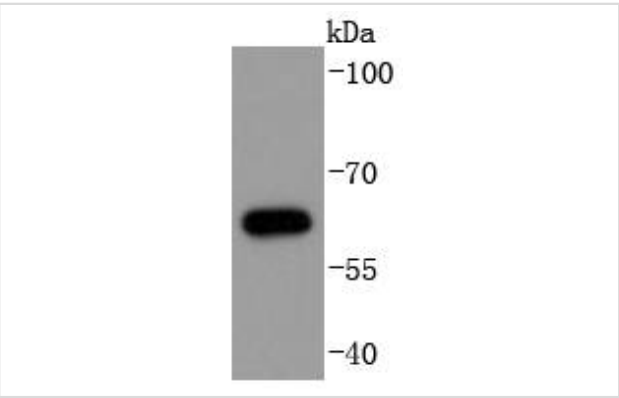
Product Name	Phospho-Cdc6 (S54) Rabbit mAb
Clone No.	SD08-47
Purification	ProA affinity purified
Applications	WB, ICC/IF
Species Reactivity	Hu
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser54 of human Cdc6.
Other Names	Cdc 18L antibody Cdc 6 antibody CDC18 (cell 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
Uniprot	Q99741
GeneID	990;
Calculated MW	63 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

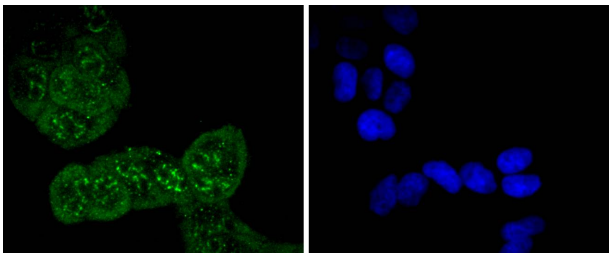
WB: 1:1,000-1:2,000

ICC: 1:50-1:200

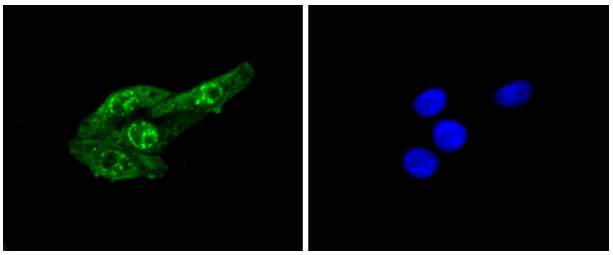
Images



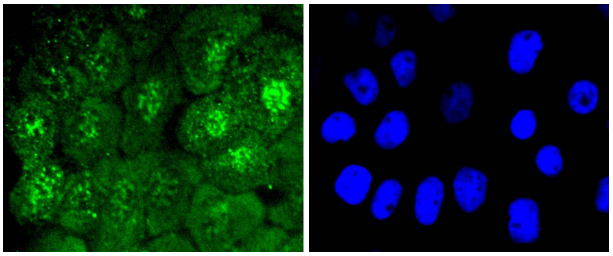
Western blot analysis of Phospho-Cdc6(S54) on Jurkat cells lysates using anti-Phospho-Cdc6(S54) antibody at 1/1,000 dilution.



ICC staining Phospho-Cdc6(S54) in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Phospho-Cdc6(S54) in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Phospho-Cdc6(S54) in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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