

Anti-Phospho-Cdc6 (Ser54) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

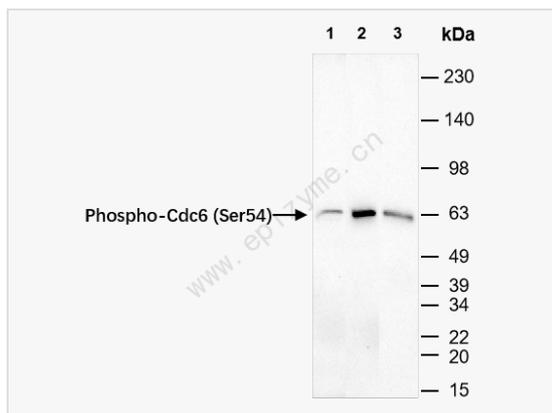
Catalog # R015392

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	87S82Q65
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser54 of human Cdc6
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-Cdc6 (Ser54) Rabbit mAb [87S82Q65] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Cdc 18L; Cdc 6; CDC18 (cell division cycle 18, S.pombe, homolog) like; CDC18 (S.pombe); Cdc18 related protein; CDC18(S.pombe); Cdc18-related protein; Cdc18L; cdc6; CDC6 cell division cycle 6 homolog; CDC6 related protein; CDC6-related protein; CDC6_HUMAN; Cdc6p; CELL CYCLE CONTROLLER CDC6; Cell division control protein 6; Cell division control protein 6 homolog; Cell division cycle 6 homolog (S. cerevisiae); Cell division cycle 6 homolog; Cell division cycle 6, S. cerevisiae, homolog of; HsCDC 6; HsCDC18; HsCDC6; p62; p62(cdc 6); p62(cdc6).
Calculated MW	Calculated MW: 63 kDa; Observed MW: 63 kDa
Uniprot ID	Q99741
Gene ID	990
Background	The protein encoded by this gene is highly similar to <i>Saccharomyces cerevisiae</i> Cdc6, a protein essential for the initiation of DNA replication. This protein functions as a regulator at the early steps of DNA replication. It localizes in cell nucleus during cell cycle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cycle is regulated through its phosphorylation by Cdk. Transcription of this protein was reported to be regulated in response to mitogenic signals through transcriptional control mechanism involving E2F proteins. [provided by RefSeq, Jul 2008]
Cellular Location	Nucleus. Cytoplasm. The protein is nuclear in G1 and cytoplasmic in S-phase cells.



Western Blot - Anti-Phospho-Cdc6 (Ser54) Rabbit mAb [87S82Q65]

All lanes: R015392 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 3: 293T (Human embryonic kidney cell) whole cell lysates

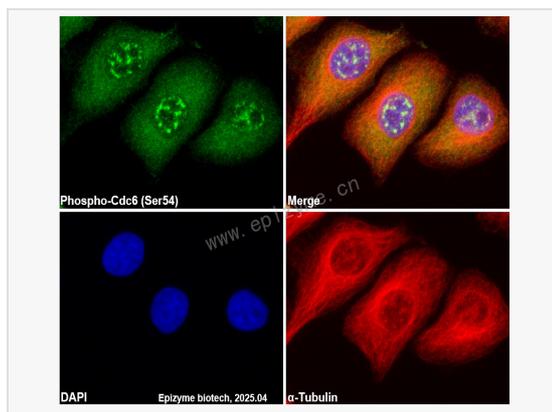
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 63 kDa

Observed band size: 63 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Phospho-Cdc6 (Ser54) Rabbit mAb [87S82Q65]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015392 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).