Anti-Phospho-CDC37 (Ser13) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014620

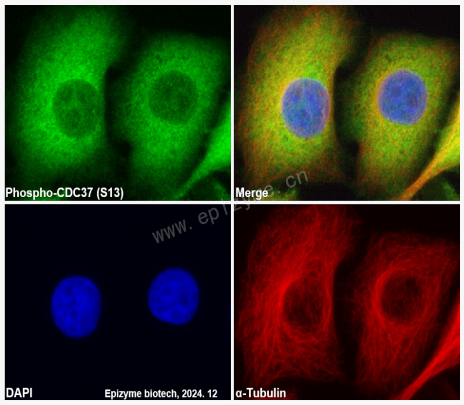
Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	30H41A90
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-CDC37 (S13)
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℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage.
Precautions	Anti-Phospho-CDC37 (Ser13) Rabbit mAb [30H41A90] is for research use only and not for use in diagnostic or therapeutic procedures.

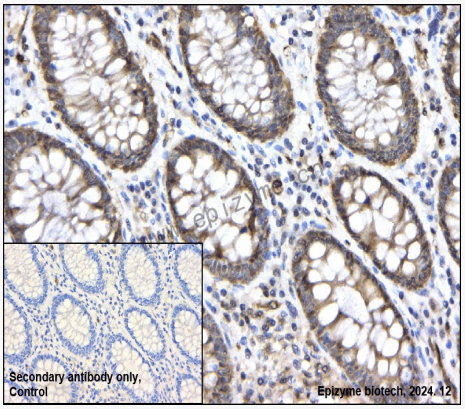
Protein Information

Synonyms	CDC 37, Cdc37, CDC37 cell division cycle 37 homolog, CDC37 cell division cycle 37 S cerevisiae homolog, CDC37 cell division cycle 37, S cerevisiae, homolog of, Cdc37 homolog, CDC37 protein, CDC37_HUMAN, CDC37A, cell division cycle 37, Cell division cycle 37 homolog, Hsp90 chaperone protein kinase targeting subunit, Hsp90 chaperone protein kinase targeting subunit p50Cdc37, Hsp90 chaperone protein kinase-targeting subunit, Hsp90 co chaperone Cdc37, Hsp90 co-chaperone Cdc37, p50, p50Cdc37, S cerevisiae hypothetical protein CDC37.
Calculated MW	Calculated MW: 44 kDa; Observed MW: 50 kDa
Uniprot ID	Q16543
Gene ID	11140
Background	CDC37 is an important component of the HSP90 chaperone complex. It was initially identified for its involvement in cell-cycle progression and was later found to have a much broader role as a chaperone for a wide variety of kinases and other proteins. CDC37 protein has an amino-terminal kinase binding domain followed by a central HSP90 binding domain.
Cellular Location	Cytoplasm.

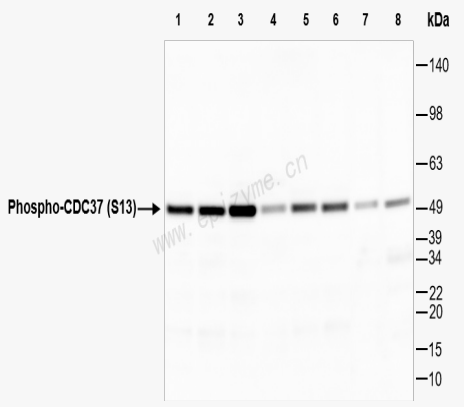
Validation Images



Immunofluorescence - Anti-Phospho-CDC37 (Ser13) Rabbit mAb [30H41A90]
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: R014620 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).



Immunohistochemistry - Anti-Phospho-CDC37 (Ser13) Rabbit mAb [30H41A90]
Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014620 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Western Blot - Anti-Phospho-CDC37 (Ser13) Rabbit mAb [30H41A90]
All lanes: R014620 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 7: Rat brain whole tissue lysates
Lane 8: Rat heart whole tissue 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: 44 kDa
Observed band size: 50 kDa
Developed using the ECL technique (Cat. No. SQ201).