

Product Datasheet

Phospho-CDC37 (S13) Antibody

Catalog No: CY5931

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IP



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Information

UniProt ID: Q16543

All Names: CC37; Hsp90 chaperone protein kinase-targeting subunit; Hsp90 co-chaperone Cdc37; p50Cdc37;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 50 kDa

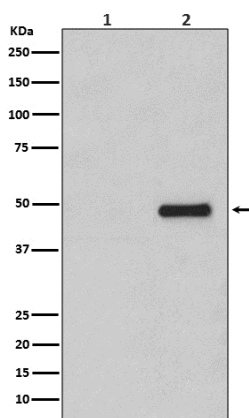
Application

WB 1:500~1:2000

IP 1:50

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. It recruits and stabilizes kinases in the HSP90 complex by protecting the newly synthesized kinase peptide chain from degradation and promoting the next step of protein maturation. CDC37 also suppresses the ATPase activity of HSP90, thereby leading to conformational changes in the complex that preclude target kinase loading.



Western blot analysis of Phospho-CDC37 (S13) expression in (1) Jurkat cell lysate treated with Alkaline Phosphatase; (2) Jurkat cell lysate.

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