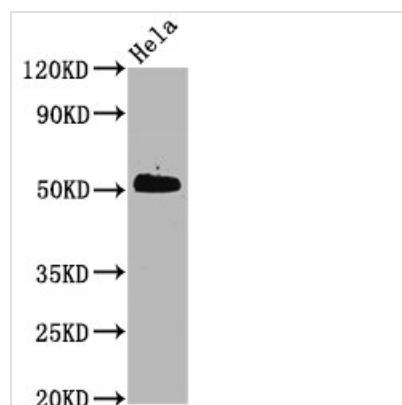




Phospho-CDC37 (S13) Antibody

Product Code	CSB-RA613684A13phHU
Abbreviation	Hsp90 co-chaperone Cdc37
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q16543
Immunogen	A synthesized peptide derived from Human Phospho-CDC37 (S13)
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Co-chaperone that binds to numerous kinases and promotes their interaction with the Hsp90 complex, resulting in stabilization and promotion of their activity (PubMed:8666233). Inhibits HSP90AA1 ATPase activity (PubMed:23569206).
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Hsp90 co-chaperone Cdc37, Hsp90 chaperone protein kinase-targeting subunit, p50Cdc37, Hsp90 co-chaperone Cdc37, N-terminally processed, CDC37, CDC37A
Immunogen Species	Homo sapiens (Human)
Research Area	Cell Biology
Gene Names	CDC37
Accession NO.	3B3

Image



Western Blot

Positive WB detected in HeLa whole cell lysate
 All lanes Phospho-CDC37 antibody at 0.6µg/ml
 Secondary
 Goat polyclonal to rabbit IgG at 1/50000 dilution
 Predicted band size: 50 KDa
 Observed band size: 50 KDa

Description



CUSABIO designed the vector clones for the expression of a recombinant CDC37 antibody in mammalian cells. The vector clones were obtained by inserting the CDC37 antibody heavy and light chains into the plasma vectors. The recombinant CDC37 antibody was purified from the culture medium through affinity-chromatography. It can be used to detect CDC37 protein from Human in the ELISA, WB.

The phospho-CDC37 (S13) antibody is specific for phosphorylated CDC37. CDC37 function is modulated through phosphorylation at S13 by protein kinase CK2. Phosphorylation of CDC37 at S13 is essential for its kinase binding activity and its ability to stimulate the nucleotide-regulated conformational switching of Hsp90. CDC37 suppressed the ATP hydrolysis step and allows the prolonged combination of Hsp90 dimers with client proteins and more effective chaperone activity.