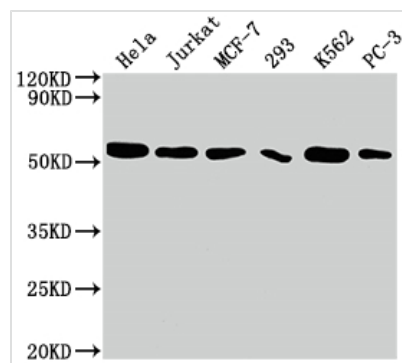




# CDC37 Antibody

<b>Product Code</b>	CSB-RA964136A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q16543
<b>Immunogen</b>	A synthesized peptide derived from human Cdc37
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB, FC; Recommended dilution: WB:1:500-1:5000, FC:1:20-1:200
<b>Relevance</b>	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).
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Epigenetics and Nuclear Signaling; Cell biology
<b>Gene Names</b>	CDC37
<b>Accession NO.</b>	10C3

## Image



### Western Blot

Positive WB detected in: HeLa whole cell lysate, Jurkat whole cell lysate, MCF-7 whole cell lysate, 293 whole cell lysate, K562 whole cell lysate, PC-3 whole cell lysate

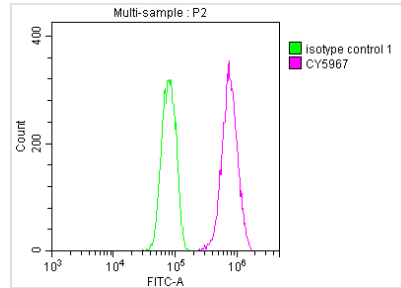
All lanes: CDC37 antibody at 1:2000

### Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 45 kDa

Observed band size: 50 kDa



Overlay histogram showing HeLa cells stained with CSB-RA964136A0HU (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody ( $1\mu\text{g}/1*10^6\text{cells}$ ) for 1 h at  $4^\circ\text{C}$ . The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30min at  $4^\circ\text{C}$ . Control antibody (green line) was Rabbit IgG ( $1\mu\text{g}/1*10^6\text{cells}$ ) used under the same conditions. Acquisition of  $>10,000$  events was performed.

## Description

The anti-CDC37 antibody is a human CDC37-specific recombinant monoclonal antibody. This CDC37 antibody was extracted from the tissue culture supernatant (TCS), which was used to develop cell lines with human CDC37 monoclonal antibody gene vectors. It was purified using affinity chromatography. It is a rabbit IgG. It is also reactive with human samples for ELISA, WB, and FC testing.

CDC37 is a molecular chaperone that works in tandem with Hsp90 to facilitate protein kinase folding. CDC37 is up-regulated in cancer cells. By stabilizing the damaged structures of mutant and/or over-expressed oncogenic kinases, CDC37 acts as an oncoprotein, mediating carcinogenesis and maintaining the malignant phenotype.