

**Cdc37 (phospho Ser13) Polyclonal Antibody**

<b>Catalog No :</b>	YP0751
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Cdc37
<b>Fields :</b>	>>PI3K-Akt signaling pathway
<b>Gene Name :</b>	CDC37
<b>Protein Name :</b>	Hsp90 co-chaperone Cdc37
<b>Human Gene Id :</b>	11140
<b>Human Swiss Prot No :</b>	Q16543
<b>Mouse Gene Id :</b>	12539
<b>Mouse Swiss Prot No :</b>	Q61081
<b>Rat Gene Id :</b>	114562
<b>Rat Swiss Prot No :</b>	Q63692
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CDC37 around the phosphorylation site of Ser13. AA range:1-50
<b>Specificity :</b>	Phospho-Cdc37 (S13) Polyclonal Antibody detects endogenous levels of Cdc37 protein only when phosphorylated at S13.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

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<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	44kD
<b>Cell Pathway :</b>	PI3K/Akt
<b>Background :</b>	The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of <i>Sacchomyces cerevisiae</i> . This protein is a molecular chaperone with specific function in cell signal transduction. It has been shown to form complex with Hsp90 and a variety of protein kinases including CDK4, CDK6, SRC, RAF-1, MOK, as well as eIF2 alpha kinases. It is thought to play a critical role in directing Hsp90 to its target kinases. [provided by RefSeq, Jul 2008],
<b>Function :</b>	function:Co-chaperone that binds to numerous kinases and promotes their interaction with the Hsp90 complex, resulting in stabilization and promotion of their activity.,PTM:Constitutively sumoylated by UBE2I.,similarity:Belongs to the CDC37 family.,subunit:Forms a complex with Hsp90. Interacts with AR, CDK4, CDK6, EIF2AK1 and RB1.,
<b>Subcellular Location :</b>	Cytoplasm .
<b>Expression :</b>	Lymph,Placenta,

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