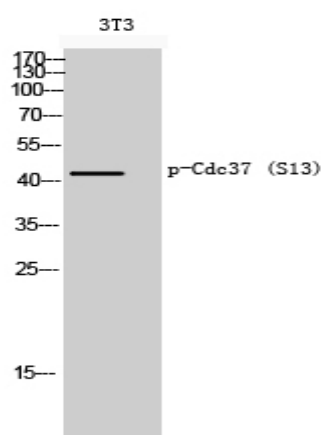


Cdc37 (phospho Ser13) Polyclonal Antibody

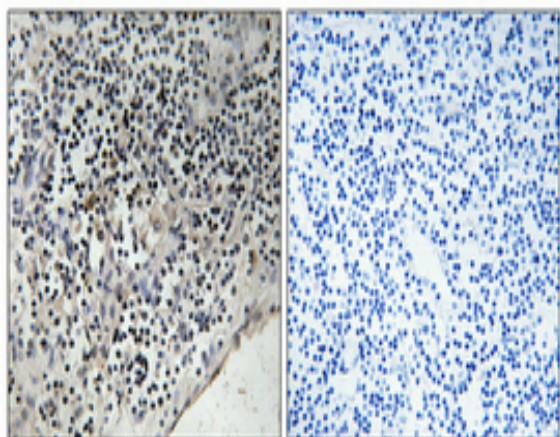
Catalog No :	YP0751
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Cdc37
Fields :	>>PI3K-Akt signaling pathway
Gene Name :	CDC37
Protein Name :	Hsp90 co-chaperone Cdc37
Human Gene Id :	11140
Human Swiss Prot No :	Q16543
Mouse Gene Id :	12539
Mouse Swiss Prot No :	Q61081
Rat Gene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

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	44kD
Cell Pathway :	PI3K/Akt
Background :	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],
Function :	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 UBE2L.,similarity:Belongs to the CDC37 family.,subunit:Forms a complex with Hsp90. Interacts with AR, CDK4, CDK6, EIF2AK1 and RB1.,
Subcellular Location :	Cytoplasm .
Expression :	Lymph,Placenta,

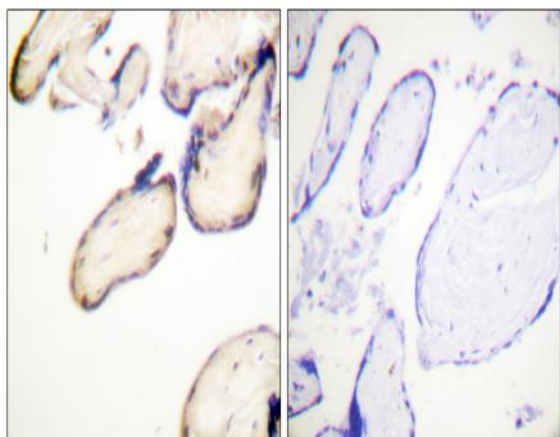
Products Images



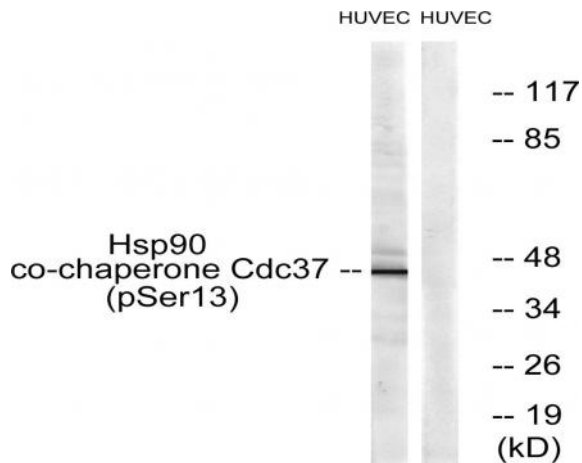
Western Blot analysis of 3T3 cells using Phospho-Cdc37 (S13) Polyclonal Antibody



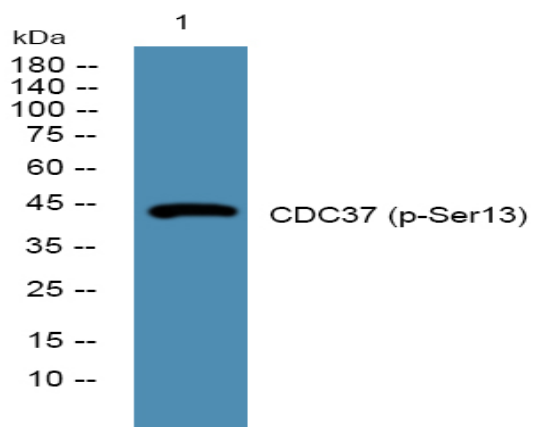
Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human placenta, using CDC37 (Phospho-Ser13) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells, using CDC37 (Phospho-Ser13) Antibody. The lane on the right is blocked with the phospho peptide.



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night