



Cdc37 (phospho Ser13) Polyclonal Antibody

Catalog No	YP-Ab-16622
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CDC37
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CDC 37;Cdc37;CDC37 cell division cycle 37 homolog;CDC37 cell division cycle 37 S cerevisiae homolog;CDC37 cell division cycle 37;S cerevisiae;homolog of; Cdc37 homolog;CDC37 protein;CDC37_HUMAN;CDC37A;cell division cycle 37; Cell division cycle 37 homolog;Hsp9 chaperone protein kinase targeting subunit; Hsp9 chaperone protein kinase targeting subunit p5Cdc37;Hsp9 chaperone protein kinase-targeting subunit;Hsp9 co chaperone Cdc37;Hsp9 co-chaperone Cdc37;p5;p5Cdc37;S cerevisiae hypothetical protein CDC37;Hsp90 co-chaperone Cdc37;Hsp90 chaperone protein kinase-targeting subunit;p50Cdc37
Observed Band	44kD
Calculated Molecular Weight	44kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Lymph,Placenta,
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.,

Background

The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of *Sacchomyces cerevisiae*. 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],

matters needing attention

Avoid repeated freezing and thawing!

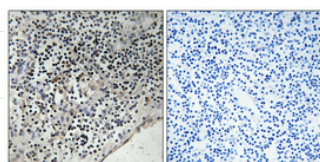
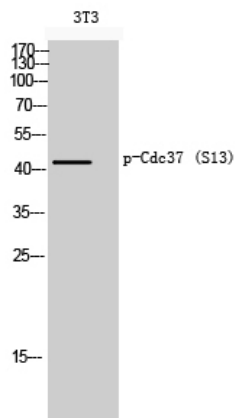
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

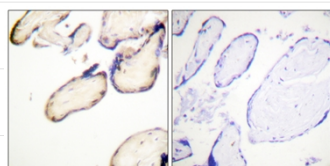


Products Images

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

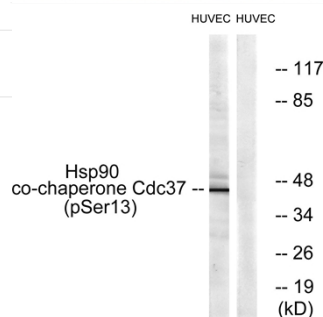


Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



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

