

Rabbit CDC37 Polyclonal Antibody | anti-CDC37 antibody

Phospho-CDC37 (Ser13) Antibody

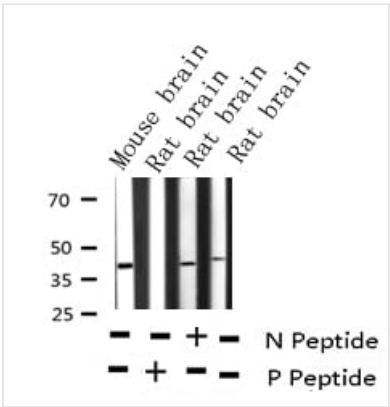
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321746	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

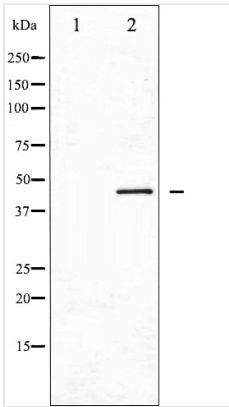
CDC37; Polyclonal Antibody; Phospho-CDC37 (Ser13) Antibody; CDC 37; Cdc37; CDC37 cell division cycle 37 homolog; CDC37 cell division cycle 37 S cerevisiae homolog; CDC37 cell division cycle 37; S cerevisiae; homolog of; Cdc37 homolog; CDC37 protein; CDC37_HUMAN; CDC37A; cell division cycle 37; Cell division cycle 37 homolog; Hsp90 chaperone protein kinase targeting subunit; Hsp90 chaperone protein kinase targeting subunit p50Cdc37; Hsp90 chaperone protein kinase-targeting subunit; Hsp90 co chaperone Cdc37; Hsp90 co-chaperone Cdc37; p50; p50Cdc37; S cerevisiae hypothetical protein CDC37; anti-CDC37 antibody

PRODUCT SPECIFICATIONS

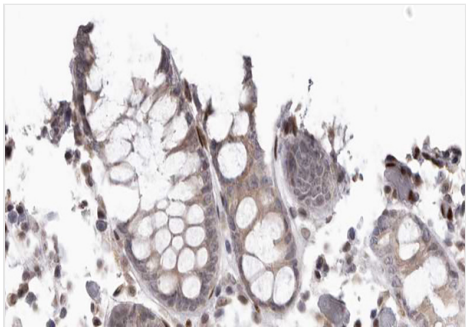
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-CDC37 (Ser13) antibody detects endogenous levels of CDC37 only when phosphorylated at Serine 13
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	378
Applicable Applications for anti-CDC37 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CDC37 around the phosphorylation site of Serine 13
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Epitope	Phospho Ser13
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



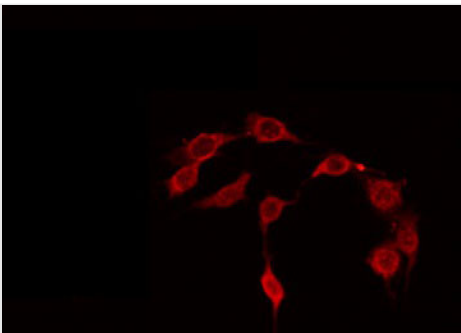
WB (Western Blot)
Western blot analysis of Phospho-CDC37 (Ser13) expression in various lysates



WB (Western Blot)
Western blot analysis of CDC37 phosphorylation expression in NIH-3T3 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)
AAA321746 at 1/200 staining human colon cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA321746 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDC37 antibody	Description: 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. Function: 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). Subunit Structure: Probably forms a complex composed of chaperones HSP90 and HSP70, co-chaperones STIP1/HOP, CDC37, PPP5C, PTGES3/p23, TSC1 and client protein TSC2 (PubMed:29127155). Probably forms a complex composed of chaperones HSP90 and HSP70, co-chaperones CDC37, PPP5C, TSC1 and client protein TSC2, CDK4, AKT, RAF1 and NR3C1; this complex does not contain co-chaperones STIP1/HOP and PTGES3/p23 (PubMed:29127155). Forms a complex with Hsp90/HSP90AB1 and CDK6 (PubMed:9482106). Interacts with HSP90AA1 (PubMed:23569206, PubMed:27353360). Interacts with AR, CDK4, CDK6 and EIF2AK1 (PubMed:11036079, PubMed:11085988, PubMed:9150368, PubMed:9482106). Interacts with RB1 (By similarity). Interacts with KSR1 (PubMed:10409742). Interacts with FLCN, FNIP1 and FNIP2 (PubMed:27353360). Post-translational Modifications: Constitutively sumoylated by UBE2I. Similarity: Belongs to the CDC37 family.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	5901922
NCBI GeneID	11140
NCBI Accession #	NP_008996.1

NCBI GenBank Nucleotide #	NM_007065.3
UniProt Accession #	Q16543 ; Q53YA2
Molecular Weight	Observed: 44 kDa Predicted: 45 kDa
NCBI Official Full Name	hsp90 co-chaperone Cdc37
NCBI Official Synonym Full Names	cell division cycle 37
NCBI Official Symbol	CDC37
NCBI Official Synonym Symbols	P50CDC37
NCBI Protein Information	hsp90 co-chaperone Cdc37
UniProt Protein Name	Hsp90 co-chaperone Cdc37
UniProt Gene Name	CDC37
UniProt Synonym Gene Names	CDC37A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdc37-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321746>