

**CDC37 Antibody**  
**Catalog # ASM10397****Specification****CDC37 Antibody - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB, ICC                     |
| Primary Accession | <a href="#">Q16543</a>      |
| Other Accession   | <a href="#">NP_008996.1</a> |
| Host              | Rabbit                      |
| Reactivity        | Human                       |
| Clonality         | Polyclonal                  |

**Description**

Rabbit Anti-Human CDC37 Polyclonal

**Target/Specificity**

Detects ~44.5kDa.

**Other Names**

Hsp90 co chaperone Cdc37 antibody, CDC 37 antibody, Cdc37 antibody, CDC37 cell division cycle 37 homolog antibody, CDC37 cell division cycle 37 S cerevisiae homolog antibody, CDC37 cell division cycle 37 S cerevisiae homolog of antibody, Cdc37 homolog antibody, CDC37 protein antibody, CDC37\_HUMAN antibody, CDC37A antibody, cell division cycle 37 antibody, Cell division cycle 37 homolog antibody, Hsp90 chaperone protein kinase targeting subunit antibody, Hsp90 chaperone protein kinase targeting subunit p50Cdc37 antibody, Hsp90 chaperone protein kinase-targeting subunit antibody, Hsp90 co-chaperone Cdc37 antibody, p50 antibody, p50Cdc37 antibody, S cerevisiae hypothetical protein CDC37 antibody

**Immunogen**

Native human Cdc37, full length

**Purification**

Protein A Purified

**Storage****-20°C****Storage Buffer**

PBS pH7.4, 50% glycerol, 0.09% sodium azide

**Shipping Temperature****Blue Ice or 4°C****Certificate of Analysis**

A 1:2000 dilution of SPC-142 was sufficient for detection of cdc37 in 20 µg of HeLa cell lysate by ECL immunoblot analysis.

**Cellular Localization**

Cytoplasm

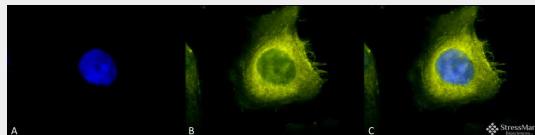
**CDC37 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

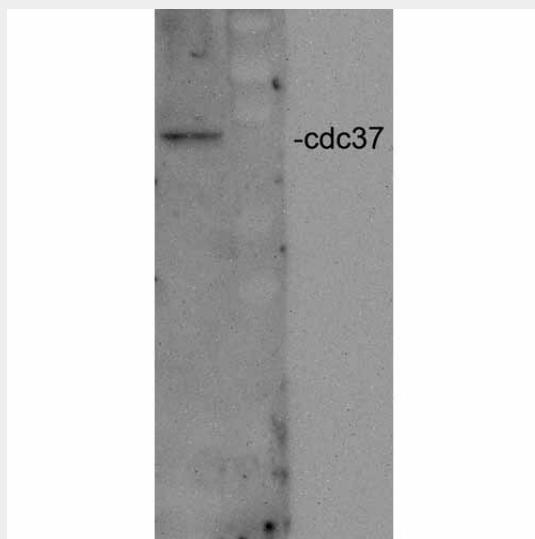
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

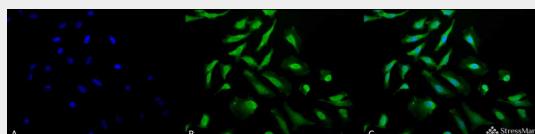
### CDC37 Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-CDC37 Polyclonal Antibody (ASM10397). Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-CDC37 Polyclonal Antibody (ASM10397) at 1:200 for 12 hours at 4°C. Secondary Antibody: R-PE Goat Anti-Rabbit (yellow) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-CDC37 Antibody. (C) Composite. Heat Shocked at 42°C for 30 min.



Western blot analysis of Human HeLa cell lysates showing detection of CDC37 protein using Rabbit Anti-CDC37 Polyclonal Antibody (ASM10397). Primary Antibody: Rabbit Anti-CDC37 Polyclonal Antibody (ASM10397) at 1:2000.



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-CDC37 Polyclonal Antibody (ASM10397). Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-CDC37 Polyclonal Antibody (ASM10397) at 1:200 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-CDC37 Antibody. (C) Composite. Heat Shocked at 42°C for 30 min.

## **CDC37 Antibody - Background**

HSP90 co-chaperone Cdc37 is a protein that is encoded by the CDC37 gene. It has been found to form complexes with HSP90 and a variety of protein kinases including CDK4, CDK6, SRC, RAF1, MOK and eIF-2 alpha kinases. It is thought to play a critical role in directing HSP90 to its target kinases (1, 2). CDC37 is necessary for maintaining prostate tumor cell growth and represents a novel target in the exploration for multi-targeted therapies (3, 4).

## **CDC37 Antibody - References**

1. Dai K, Kobayashi R., Beach D. (1996) J Biol Chem. 271(36): 22030-22034.
2. Stepanova L, Leng X., Parker S.B., Harper J.W. (1996) Genes Dev. 10(12): 1491-1502.
3. Kimura Y., et al. (1997) Genes Dev. 11(14): 1775-1185.
4. Gray P.J., et al. (2008) Nat Rev Cancer. 8(7): 491-495.