

# **Anti-Cdc37 Antibody**

**Catalog # ABO11449** 

## **Specification**

## **Anti-Cdc37 Antibody - Product Information**

Application WB
Primary Accession Q16543
Host Rabbit
Reactivity Human
Clonality Polyclonal
Format Lyophilized

**Description** 

Rabbit IgG polyclonal antibody for Hsp90 co-chaperone Cdc37(CDC37) detection. Tested with WB in Human.

#### Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

#### **Anti-Cdc37 Antibody - Additional Information**

**Gene ID 11140** 

#### **Other Names**

Hsp90 co-chaperone Cdc37, Hsp90 chaperone protein kinase-targeting subunit, p50Cdc37, Hsp90 co-chaperone Cdc37, N-terminally processed, CDC37, CDC37A

## Calculated MW 44468 MW KDa

### **Application Details**

Western blot, 0.1-0.5 μg/ml, Human<br>

### **Subcellular Localization**

Cytoplasm.

#### **Protein Name**

Hsp90 co-chaperone Cdc37

#### **Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

## **Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human Cdc37(361-376aa DPLLEAVPKTGDEKDV), different from the related mouse sequence by two amino acids, and from the related rat sequence by three amino acids.

### **Purification**

Immunogen affinity purified.



**Cross Reactivity**No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

**Sequence Similarities**Belongs to the CDC37 family.

### **Anti-Cdc37 Antibody - Protein Information**

Name CDC37

Synonyms CDC37A

#### **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:<a href="http://www.uniprot.org/citations/8666233" target="\_blank">8666233</a>). Inhibits HSP90AA1 ATPase activity (PubMed:<a href="http://www.uniprot.org/citations/23569206" target="\_blank">23569206</a>).

**Cellular Location** Cytoplasm.

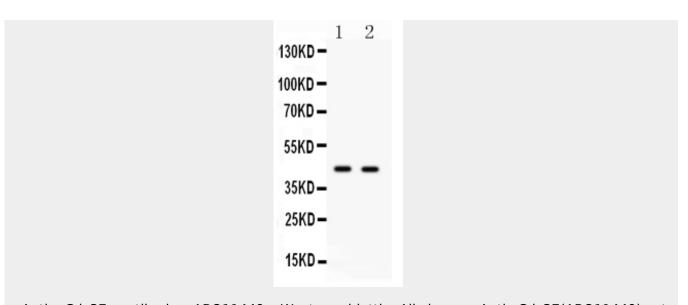
## **Anti-Cdc37 Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

### Anti-Cdc37 Antibody - Images





Anti- Cdc37 antibody, ABO11449, Western blottingAll lanes: Anti Cdc37(ABO11449) at 0.5ug/mlLane 1: JURKAT Whole Cell Lysate at 40ugLane 2: 293T Whole Cell Lysate at 40ugPredicted bind size: 44KDObserved bind size: 44KD

# **Anti-Cdc37 Antibody - Background**

Hsp90 co-chaperone Cdc37, also called P50CDC37 is a protein that in humans is encoded by the CDC37 gene. The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of Sacchromyces cerevisiae. This gene is mapped to 19p13.2. 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 though to play a critical role in directing Hsp90 to its target kinases.