10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Mouse Monoclonal Antibody to CDC37

Purified Mouse Monoclonal Antibody
Catalog # AO2487a

Specification

Mouse Monoclonal Antibody to CDC37 - Product Information

Application	**WB, FC, E**
Primary Accession	Q16543
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG2a**
Calculated MW	**44.5kDa KDa**

Description
The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of Sacchromyces 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.;

Immunogen
Purified recombinant fragment of human CDC37 (AA: 241-378) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide

Application Note
ELISA: 1/10000; WB: 1/500 - 1/2000; FCM: 1/200 - 1/400

Mouse Monoclonal Antibody to CDC37 - Additional Information

Gene ID 11140

Other Names
P50CDC37

Dilution
WB~~1:1000
FC~~1:10~50
E~~N/A

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Mouse Monoclonal Antibody to CDC37 is for research use only and not for use in diagnostic or therapeutic procedures.

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Mouse Monoclonal Antibody to CDC37 - 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:8666233). Inhibits HSP90AA1 ATPase activity (PubMed:23569206).

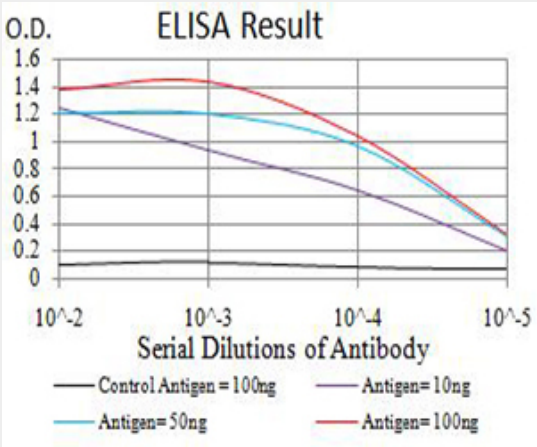
Cellular Location
Cytoplasm.

Mouse Monoclonal Antibody to CDC37 - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Monoclonal Antibody to CDC37 - Images



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

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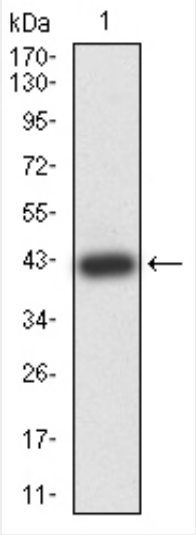
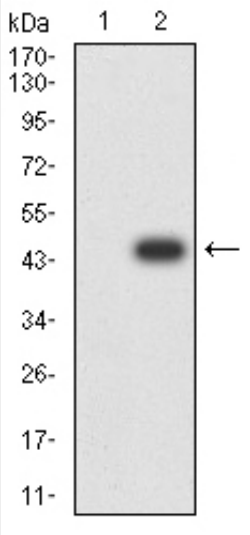
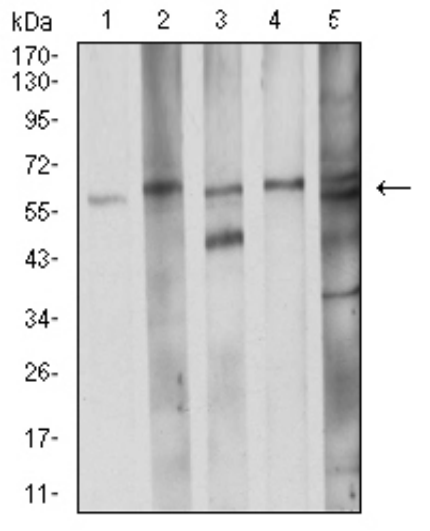


Western blot analysis using CDC37 mAb against human CDC37 (AA: 241-378) recombinant protein. (Expected MW is 41.6 kDa)



Western blot analysis using CDC37 mAb against HEK293 (1) and CDC37 (AA: 241-378)-hIgGFc transfected HEK293 (2) cell lysate.



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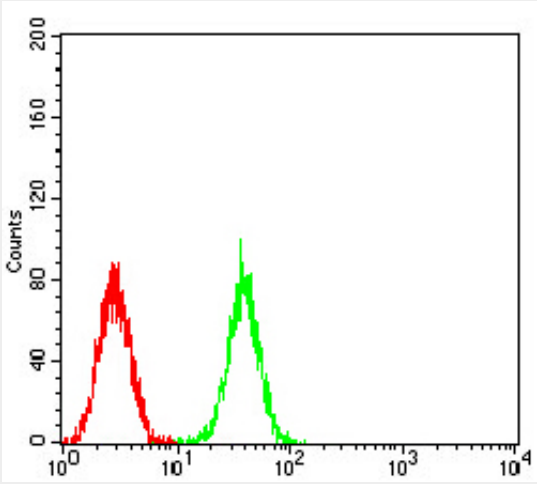
Western blot analysis using CDC37 mouse mAb against K562 (1), LNcap (2), A431 (3), HEK293 (4), and C2C12 (5) cell lysate.



Flow cytometric analysis of K562 cells using CDC37 mouse mAb (green) and negative control (red).

Mouse Monoclonal Antibody to CDC37 - References

1.Liver Int. 2015 Apr;35(4):1403-15. ; 2.Oncogene. 2009 Jan 15;28(2):157-69. ;