

# Mouse Monoclonal Antibody to CDC37

Purified Mouse Monoclonal Antibody

Catalog # AO2488a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q16543</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	6B3B5
<b>Isotype</b>	Mouse IgG2a
<b>Calculated MW</b>	44468
<b>Description</b>	The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of <i>Saccharomyces cerevisiae</i> . 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.;
<b>Immunogen</b>	Purified recombinant fragment of human CDC37 (AA: 241-378) expressed in <i>E. Coli</i> .
<b>Formulation</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Application Note</b>	ELISA: 1/10000; WB: 1/500 - 1/2000;

## Additional Information

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<b>Gene ID</b>	11140
<b>Other Names</b>	P50CDC37
<b>Dilution</b>	WB~~1:1000 E~~N/A
<b>Storage</b>	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.
<b>Precautions</b>	Mouse Monoclonal Antibody to CDC37 is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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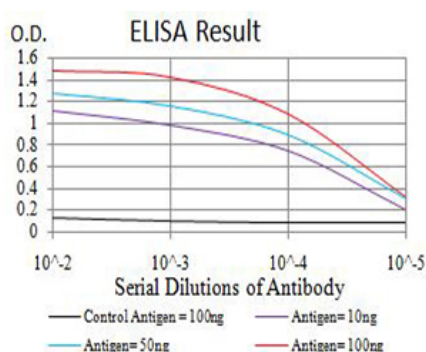
<b>Name</b>	CDC37
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<b>Synonyms</b>	CDC37A
<b>Function</b>	Co-chaperone that binds to numerous kinases and promotes their interaction with the Hsp90 complex, resulting in stabilization and promotion of their activity (PubMed: <a href="#">8666233</a> ). Inhibits HSP90AA1 ATPase activity (PubMed: <a href="#">23569206</a> ).
<b>Cellular Location</b>	Cytoplasm.

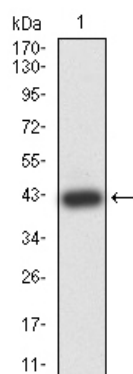
## References

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

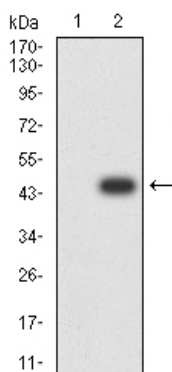
## Images



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

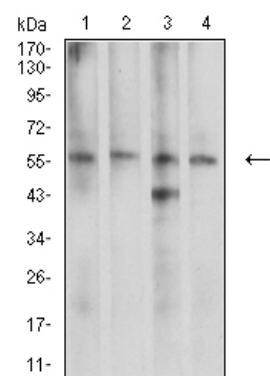


Western blot analysis using CDC37 mAb against human CDC37 (AA: 241-378) recombinant protein. (Expected MW is 41.6 kDa)



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

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.