

For Research Use Only

CDC37 Monoclonal antibody

Catalog Number: 66420-1-Ig **1 Publications**



Basic Information

Catalog Number:

66420-1-Ig

Size:

1600 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG0267

GenBank Accession Number:

BC000083

GeneID (NCBI):

11140

UNIPROT ID:

Q16543

Full Name:

cell division cycle 37 homolog (S.

cerevisiae)

Calculated MW:

44 kDa

Observed MW:

44 kDa

Purification Method:

Protein A purification

CloneNo.:

1C2A6

Recommended Dilutions:

WB 1:2000-1:5000

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HeLa cells, HEK-293 cells, MCF-7 cells, Jurkat cells, ROS1728 cells, RAW 264.7 cells, NIH/3T3 cells

IF : HeLa cells,

Background Information

CDC (cell division control) family of proteins are regulatory proteins involved in the processes of cell cycle and proliferation. CDC37, migrated as a protein of 50 kDa in SDS PAGE, is a co-chaperone protein that recruits several immature client kinases to Hsp90 for proper folding. It functions in association with Hsp90, although little is known of its mechanism of action or where it fits into a folding pathway involving other Hsp90 cochaperones. CDC37 up-regulation is a common early event in some localized human cancers. But, the effect of CDC37 dysregulation in human cells is unclear.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|--------------------|-------------|
| Chuan-Jing Cheng | 34326484 | Acta Pharmacol Sin | IF |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

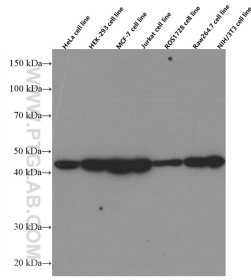
T: 4006900926

E: Proteintech-CN@ptglab.com

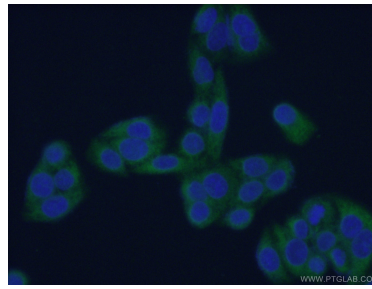
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66420-1-Ig (CDC37 Antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66420-1-Ig(CDC37 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).