

## Cdc37 polyclonal antibody

Catalog: BS90271

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Cell cycle events are regulated by the sequential activation and deactivation of cyclin dependent kinases (Cdks) and by the proteolysis of cyclins. The cell division cycle (Cdc) genes are required at various points in the cell cycle. Cdc25A, Cdc25B and Cdc25C protein tyrosine phosphatases function as mitotic activators by dephosphorylating Cdc2 p34 on regulatory tyrosine residues. Cdc6 is the human homolog of *Saccharomyces cerevisiae* Cdc6, which is involved in the initiation of DNA replication. Cdc37 appears to facilitate Cdk4/cyclin D1 complex formation and has been shown to form a stable complex with Hsp90. Cdc34, Cdc27 and Cdc16 function as ubiquitin-conjugating enzymes. Cdc34 is thought to be the structural and functional homolog of *Saccharomyces cerevisiae* Cdc34, which is essential for the G1 to S phase transition. Cdc16 and Cdc27 are components of the APC (anaphase-promoting complex) which ubiquitinates cyclin B, resulting in cyclin B/Cdk complex degradation.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

45 kDa

### Swiss-Prot:

Q16543(Human) Q61081(Mouse) Q63692(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:5,000

FC:1:50-1:100

IHC:1:50-1:200

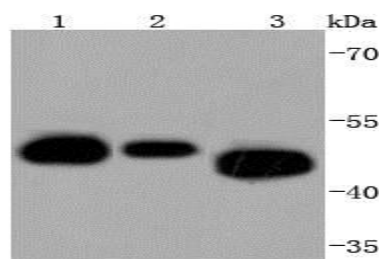
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

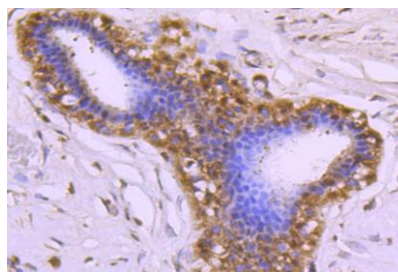
### Specificity:

Cdc37 polyclonal antibody detects endogenous levels of Cdc37 protein.

### DATA:



Western blot analysis of Cdc37 on different lysates using anti-Cdc37 antibody at 1/1,000 dilution. Positive control: Lane 1: Jurkat Lane 2: A431 Lane 3: K562



Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Cdc37 antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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