

## CDC37 (Phospho-S13) polyclonal antibody

Catalog: BS94009

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:

44 kDa

### Swiss-Prot:

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

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:2,000

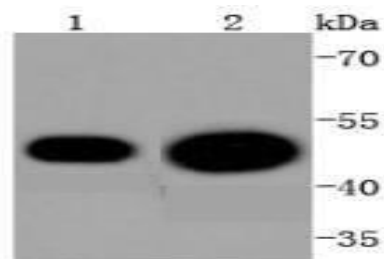
### Storage&Stability:

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

### Specificity:

CDC37 (Phospho-S13) polyclonal antibody detects endogenous levels of CDC37 protein only when phosphorylated at S13.

### DATA:



Western blot analysis of Phospho-CDC37(S13) on different lysates using anti-Phospho-CDC37(S13) antibody at 1/1,000 dilution. Positive control:

Lane 1: NIH/3T3

Lane 2: Jurkat

### Note:

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

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