

## Cdc25B polyclonal antibody

Catalog: BS90267

Host: Rabbit

Reactivity: Human

### BackGround:

The Cdc2/cyclin B enzyme, involved in regulation of mitosis in eukaryotic cells, is subject to multiple levels of control. Among these, the regulation of the catalytic sub-unit by Tyrosine phosphorylation is the best understood. Tyrosine phosphorylation inhibits the Cdc2/cyclin B complex, while Tyrosine dephosphorylation, which occurs at the onset of mitosis, directly activates the pre-MPH complex. The Cdc25 gene serves as a rate-limiting mitotic activator, apparently due to its action as the Cdc2 Tyrosine phosphatase. In the absence of Cdc25, Cdc2 accumulates in a Tyrosine phosphorylated state. In addition, Cdc25 proteins from a variety of species have been shown to share a low degree of sequence similarity with other Tyrosine phosphatases. The Cdc25 gene family consists of at least three members that share approximately 40% identity in their most conserved carboxy-terminal sequences.

### Product:

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

### Molecular Weight:

65 kDa

### Swiss-Prot:

P30305(Human)

### Purification&Purity:

ProA affinity purified

### Applications:

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

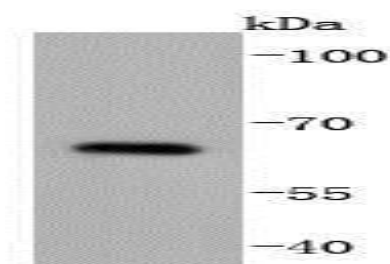
### Storage&Stability:

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

### Specificity:

Cdc25B polyclonal antibody detects endogenous levels of Cdc25B protein.

### DATA:



Western blot analysis of Cdc25B on THP-1 cells lysates using anti-Cdc25B antibody at 1/1,000 dilution.

### Note:

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

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