Cdc25B Rabbit mAb

Catalog No: #49280

Package Size: #49280-1 50ul #49280-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

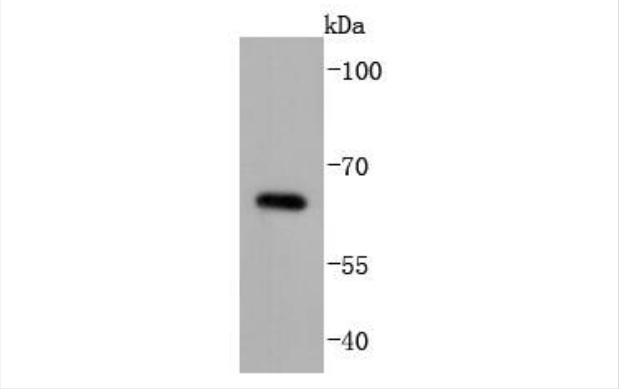
Description

Product Name	Cdc25B Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ091-2
Purification	ProA affinity purified
Applications	WB, IP
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	AI604853 antibody Cdc 25B antibody Cdc25b antibody CDC25HU2 antibody Cdc25m2 antibody Cell division cycle 25 homolog B antibody Cell division cycle 25B antibody Cell division cycle 25B isoform 1 antibody Cell division cycle 25B isoform 2 antibody Cell division cycle 25B isoform 3 antibody Cell division cycle 25B isoform 4 antibody Cell division cycle 25B isoform 5 antibody Dual specificity phosphatase Cdc25B antibody EC 3.1.3.48 antibody M phase inducer phosphatase 2 antibody M-phase inducer phosphatase 2 antibody MPIP2_HUMAN antibody
Accession No.	Swiss-Prot#:P30305
Uniprot	P30305
GeneID	994;
Calculated MW	65 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

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

Images



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

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 subunit 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.

References

Note: This product is for in vitro research use only