

CDC25B (Phospho-Ser323) Antibody

Catalog No: #12104



Package Size: #12104-1 50ul #12104-2 100ul

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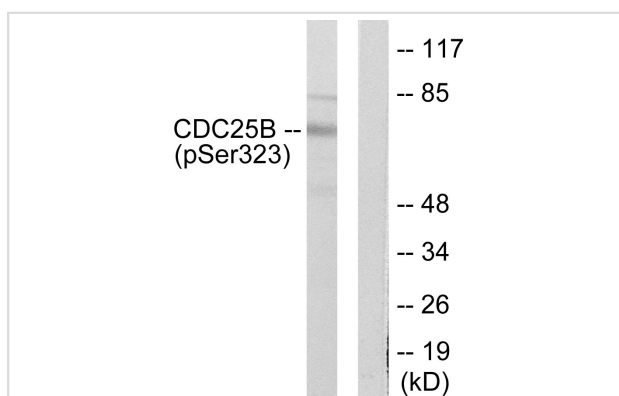
Description

Product Name	CDC25B (Phospho-Ser323) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of CDC25B only when phosphorylated at serine 323.
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of serine 323 (S-P-S(p)-M-P) derived from Human CDC25B.
Target Name	CDC25B
Modification	Phospho
Other Names	CDC25HU2; CDC25M2; Dual specificity phosphatase Cdc25B; EC 3.1.3.48; M-phase inducer phosphatase 2; MPIP2
Accession No.	Swiss-Prot#:P30305;NCBI Gene#:994
SDS-PAGE MW	62kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from NIH/3T3 cells treated with PMA (125ng/ml, 30mins), using CDC25B (Phospho-Ser323) antibody #12104. The lane on the right is treated with the synthesized peptide.

Background

Tyrosine protein phosphatase which functions as a dosage-dependent inducer of mitotic progression. Required for G2/M phases of the cell cycle progression and abscission during cytokinesis in a ECT2-dependent manner. Directly dephosphorylates CDK1 and stimulates its kinase activity. The three isoforms seem to have a different level of activity.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.