

CDC25B (Phospho-Ser323) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52367**Specification**

CDC25B (Phospho-Ser323) Antibody - Product Information

Application	WB
Primary Accession	P30305
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64987

CDC25B (Phospho-Ser323) Antibody - Additional Information**Gene ID** 994**Other Names**

M-phase inducer phosphatase 2, Dual specificity phosphatase Cdc25B, CDC25B, CDC25HU2

Dilution

WB~~1:1000

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

CDC25B (Phospho-Ser323) Antibody - Protein Information**Name** CDC25B**Synonyms** CDC25HU2**Function**

Tyrosine protein phosphatase which functions as a dosage- dependent inducer of mitotic progression (PubMed:1836978, PubMed:20360007). Directly dephosphorylates CDK1 and stimulates its kinase activity (PubMed:20360007). Required for G2/M phases of the cell cycle progression and abscission during cytokinesis in a ECT2-dependent manner (PubMed:17332740). The three isoforms seem to have a different level of activity (PubMed:1836978).

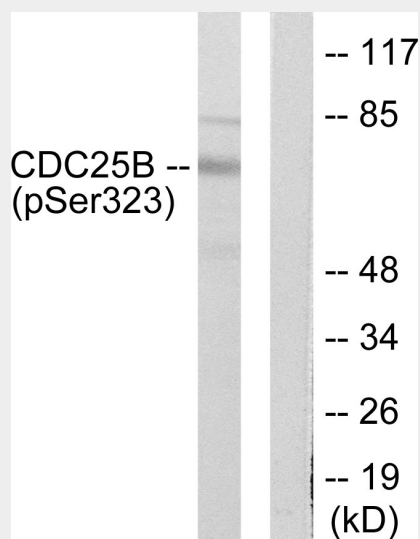
Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole

CDC25B (Phospho-Ser323) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CDC25B (Phospho-Ser323) Antibody - Images

Western blot analysis of extracts from NIH/3T3 cells treated with PMA (125ng/ml, 30mins), using CDC25B (Phospho-Ser323) antibody (#A0063)

CDC25B (Phospho-Ser323) Antibody - 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.

CDC25B (Phospho-Ser323) Antibody - References

Galaktionov K.I., et al. Cell 67:1181-1194(1991).
Nagata A., et al. New Biol. 3:959-968(1991).
Baldin V., et al. Oncogene 14:2485-2495(1997).
Deloukas P., et al. Nature 414:865-871(2001).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.