

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

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**CDC25B (Phospho-Ser323) Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P30305</a>
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

**Format**Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 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:<a href="http://www.uniprot.org/citations/1836978" target="\_blank">1836978</a>, PubMed:<a href="http://www.uniprot.org/citations/20360007" target="\_blank">20360007</a>). Directly dephosphorylates CDK1 and stimulates its kinase activity (PubMed:<a href="http://www.uniprot.org/citations/20360007" target="\_blank">20360007</a>). Required for G2/M phases of the cell cycle progression and abscission during cytokinesis in a ECT2-dependent manner (PubMed:<a href="http://www.uniprot.org/citations/17332740" target="\_blank">17332740</a>). The three isoforms seem to have a different level of activity (PubMed:<a href="http://www.uniprot.org/citations/1836978" target="\_blank">1836978</a>).

### Cellular Location

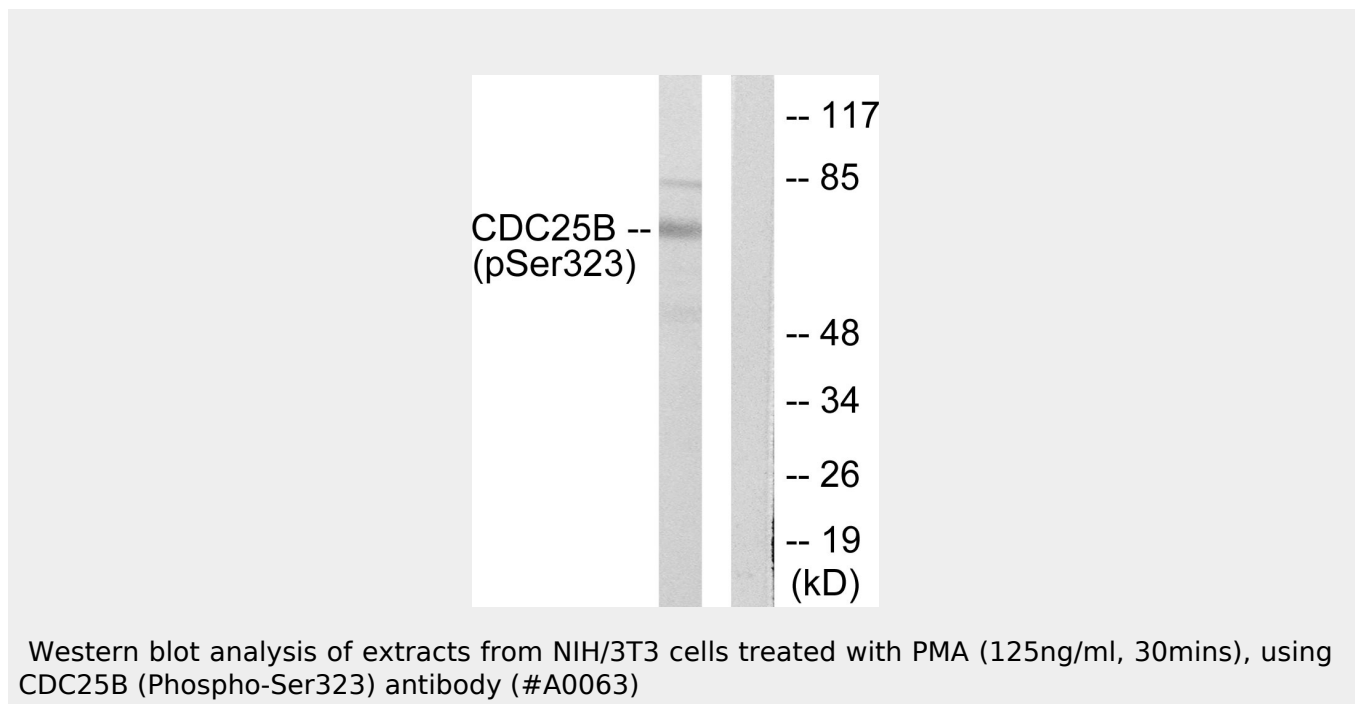
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole

### 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



### 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/DDBJ databases.