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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

Format
Rabbit 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℃

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).

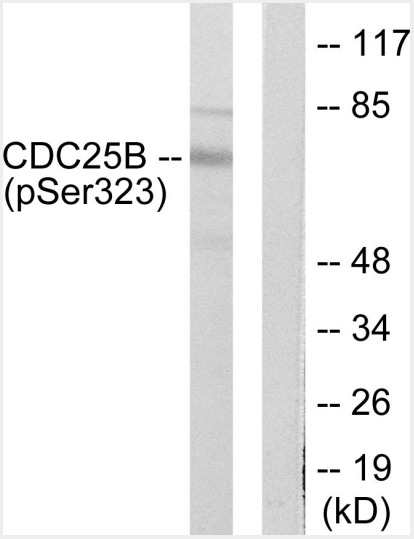
Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole

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 Cytomety
- 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/DDBJ databases.