

# Cdc25B (phospho Ser323) Polyclonal Antibody

Catalog # AP66989

### **Product Information**

**Application** WB, IHC-P **Primary Accession** P30305

**Reactivity** Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW64987

#### **Additional Information**

Gene ID 994

Other Names CDC25B; CDC25HU2; M-phase inducer phosphatase 2; Dual specificity

phosphatase Cdc25B

**Dilution** WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other

applications. IHC-P~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet

tested in other applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

#### **Protein Information**

Name CDC25B

Synonyms CDC25HU2

**Function** Tyrosine protein phosphatase which functions as a dosage- dependent

inducer of mitotic progression (PubMed:<u>1836978</u>, PubMed:<u>20360007</u>). 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).

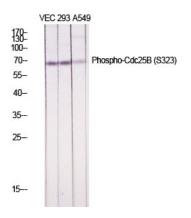
**Cellular Location** Cytoplasm, cytoskeleton, microtubule organizing center, centrosome.

Cytoplasm, cytoskeleton, spindle pole

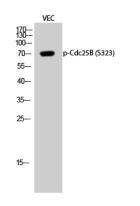
# Background

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.

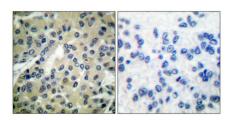
## **Images**



Western Blot analysis of various cells using Phospho-Cdc25B (S323) Polyclonal Antibody diluted at 1:1000



Western Blot analysis of VEC cells using Phospho-Cdc25B (S323) Polyclonal Antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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