

**Cdc25B rabbit pAb****Cat#: orb771013 (Manual)**

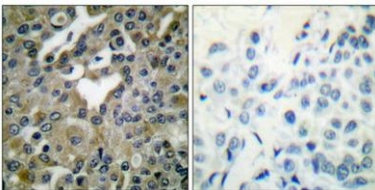
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Cdc25B rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CDC25B. AA range:289-338
<b>Specificity</b>	Cdc25B Polyclonal Antibody detects endogenous levels of Cdc25B protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	M-phase inducer phosphatase 2
<b>Gene Name</b>	CDC25B
<b>Cellular localization</b>	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle pole .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

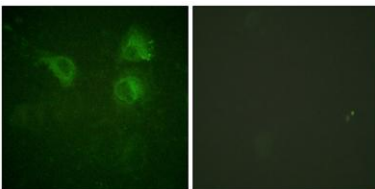
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	65kD
<b>Human Gene ID</b>	994
<b>Human Swiss-Prot Number</b>	P30305
<b>Alternative Names</b>	CDC25B; CDC25HU2; M-phase inducer phosphatase 2; Dual specificity phosphatase Cdc25B

**Background**

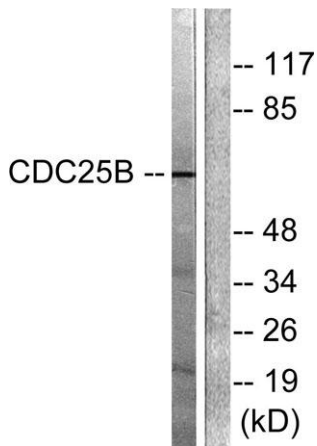
cell division cycle 25B(CDC25B) Homo sapiens CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. Multiple transcript variants for this gene exist. [provided by RefSeq, Jul 2008],



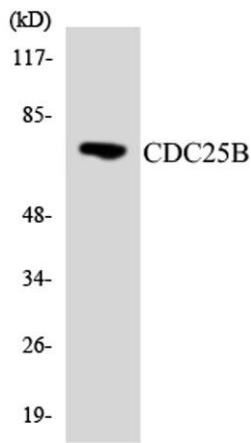
**Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.**



**Immunofluorescence analysis of HUVEC cells, using CDC25B Antibody. The picture on the right is blocked with the synthesized peptide.**



Western blot analysis of lysates from Raw264.7 cells, treated with Hu 2nM 24h, using CDC25B Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using CDC25B antibody.