



# CDC25B Antibody

<b>Product Code</b>	CSB-RA004995A0HU
<b>Abbreviation</b>	M-phase inducer phosphatase 2
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P30305
<b>Immunogen</b>	A synthesized peptide derived from human CDC25B
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA
<b>Relevance</b>	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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Alias</b>	M-phase inducer phosphatase 2, Dual specificity phosphatase Cdc25B, CDC25B, CDC25HU2
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Cell Biology
<b>Gene Names</b>	CDC25B
<b>Accession NO.</b>	3D6

## Description

The human CDC25B DNA gene is cloned into the vector and then transfected into the cell line for in vitro expression. The product is the CDC25B antibody, a recombinant monoclonal antibody. This CDC25B antibody can react with human CDC25B protein. It has undergone purification using affinity chromatography. And it is recommended for ELISA application.

CDC25B is one of the CDC25 phosphatases that play key roles in cell cycle progression by activating cyclin-dependent kinases. As an initiator phosphatase, CDC25B 25B translocates to the cytoplasm during the G2 phase and activates the cyclin B1/CDK1 complex, and then re-enters the nucleus to initiate mitosis.