

## Cdc25B (Phospho Ser353) Rabbit pAb

CatalogNo: YP0730

Orthogonal Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Monkey

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 64kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000****IHC 1:100-1:300****ELISA 1:40000****IF 1:50-200**

### Storage

**Storage\***

-15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality**

Polyclonal

### Immunogen Information

**Immunogen**

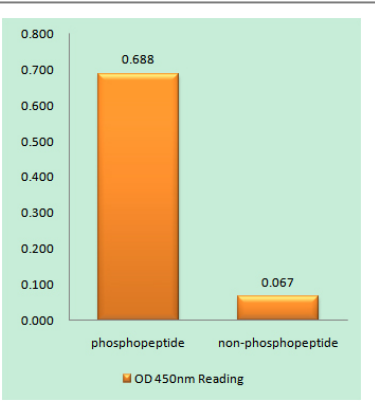
The antiserum was produced against synthesized peptide derived from human CDC25B around the phosphorylation site of Ser353. AA range:319-368

**Specificity** Phospho-Cdc25B (S353) Polyclonal Antibody detects endogenous levels of Cdc25B protein only when phosphorylated at S353. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RRsVT

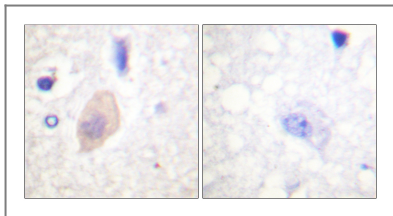
Target Information

Gene name	CDC25B		
Protein Name	M-phase inducer phosphatase 2		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">994;</a>	<a href="#">P30305;</a>
	Mouse		<a href="#">P30306;</a>
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle pole .		
Tissue specificity	Brain,Rectum tumor,		
Function	Catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,enzyme regulation:Stimulated by B-type cyclins.,Function:Tyrosine protein phosphatase which functions as a dosage-dependent inducer of mitotic progression. Directly dephosphorylates CDC2 and stimulates its kinase activity. The three isoforms seem to have a different level of activity.,PTM:Phosphorylated by BRSK1 in vitro. Phosphorylated by CHEK1, which inhibits the activity of this protein.,similarity:Belongs to the MPI phosphatase family.,similarity:Contains 1 rhodanese domain.,		

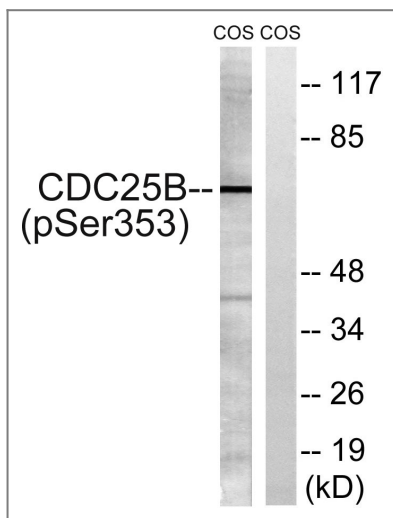
Validation Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using CDC25B (Phospho-Ser353) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using CDC25B (Phospho-Ser353) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells treated with etoposide 25uM 24h, using CDC25B (Phospho-Ser353) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**Cdc25B (Phospho Ser353) Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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