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

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.

Recommended Dilution Ratios

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

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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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

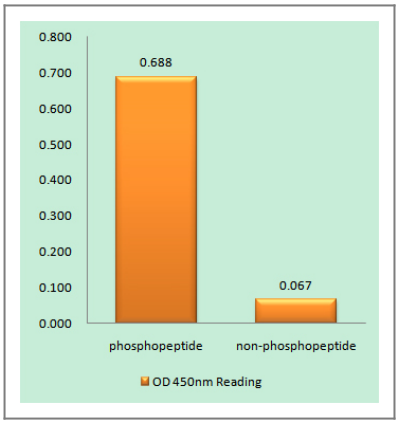
Organism	Gene ID	UniProt ID
Human	994;	P30305;
Mouse	12531;	P30306;

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

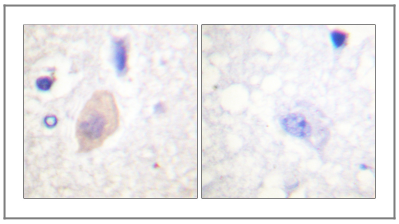
Tissue specificity Brain ,Rectum tumor ,

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. ,

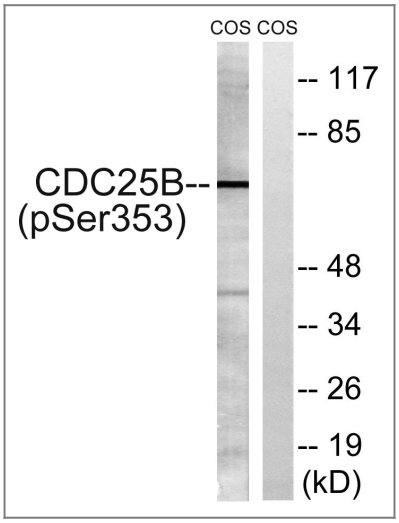
Validation Data



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:
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