

For Research Use Only

# CDC25B Polyclonal antibody

Catalog Number: 10644-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 10644-1-AP	<b>GenBank Accession Number:</b> BC006395	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 133 µg/ml	<b>GeneID (NCBI):</b> 994	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P30305	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> cell division cycle 25 homolog B (S. pombe)	IHC 1:20-1:200
<b>Immunogen Catalog Number:</b> AG0994	<b>Calculated MW:</b> 65 kDa	
	<b>Observed MW:</b> 60-70 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IF	WB : mouse liver tissue, Jurkat cells, mouse brain tissue, Raji cells
<b>Species Specificity:</b> human, mouse	IP : mouse liver tissue,
<b>Cited Species:</b> mouse	IHC : human lymphoma tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

CDC25B, also named as CDC25HU2, belongs to the MPI phosphatase family. It is a tyrosine protein phosphatase which functions as a dosage-dependent inducer of mitotic progression. CDC25B directly dephosphorylates CDK1 and stimulates its kinase activity. The three isoforms seem to have a different level of activity. In Jurkat cell, this antibody recognized 2 bands: 60kd(isoform 2, CDC25B2) and 70kd(isoform 4 of CDC25B).

## Notable Publications

Author	Pubmed ID	Journal	Application
Alaa A Eisa	31640562	BMC Dev Biol	IF
Santanu De	23547714	BMC Dev Biol	WB, IF

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

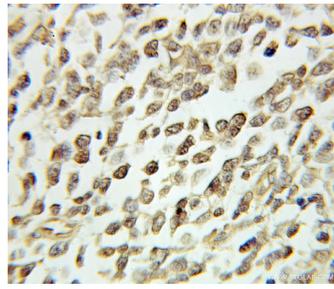
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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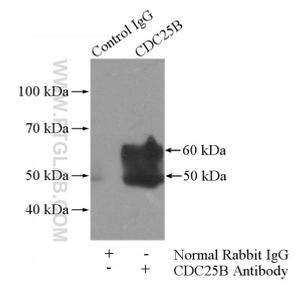
## Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 10644-1-AP (CDC25B antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 10644-1-AP (CDC25B antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-CDC25B (IP:10644-1-AP, 4ug; Detection:10644-1-AP 1:300) with mouse liver tissue lysate 4000ug.