

For Research Use Only

CDC25C Monoclonal antibody

Catalog Number: 66912-1-Ig **4 Publications**



Basic Information

Catalog Number: 66912-1-Ig	GenBank Accession Number: BC019089	Purification Method: Protein A purification
Size: 2200 µg/ml	GeneID (NCBI): 995	CloneNo.: 2B6B12
Source: Mouse	UNIPROT ID: P30307	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Full Name: cell division cycle 25 homolog C (S. pombe)	
Immunogen Catalog Number: AG10240	Calculated MW: 473 aa, 53 kDa	
	Observed MW: 46-53 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, Raji cells
Cited Applications: WB	
Species Specificity: Human, Mouse, Rat	
Cited Species: human, mouse	

Background Information

The cell division cycle 25 (CDC25) family of proteins are highly conserved dual specificity phosphatases that activate cyclin-dependent kinase (CDK) complexes, which in turn regulate progression through the cell division cycle. CDC25C (cell division cycle 25 homolog C) is one of the 3 isoforms of CDC25 in mammalian cells. It is present in the cytoplasm of asynchronously growing human cells (PMID:10330186). And it may be phosphorylated by its own substrate, an active cdc2-cyclin B complex, to create an autoactivation loop (PMID:7937793). It can be hyperphosphorylated to get the active form of 70 kDa (PMID:18296513). CDC25C has some isoforms with molecular mass of 46-53 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Silu Hou	36427601	Food Chem Toxicol	WB
Jun Ma	34820015	Oncol Lett	WB
Ming Li	36526012	Toxicology	WB

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:

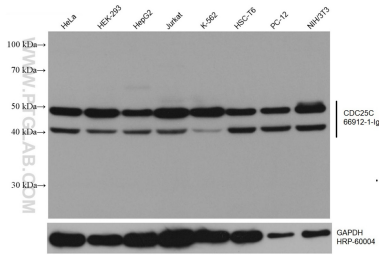
T: 4006900926

E: Proteintech-CN@ptglab.com

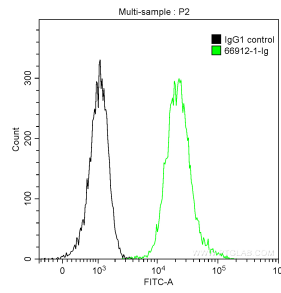
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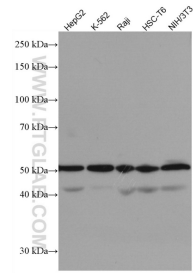
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66912-1-Ig (CDC25C antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



1×10^6 K-562 cells were intracellularly stained with 0.2 ug Anti-Human CDC25C (66912-1-Ig, Clone:2B6B12) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



Various lysates were subjected to SDS PAGE followed by western blot with 66912-1-Ig (CDC25C antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.