

For Research Use Only

CDC25C Monoclonal antibody, PBS Only



Catalog Number: 66912-1-PBS

Basic Information

Catalog Number: 66912-1-PBS	GenBank Accession Number: BC019089	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 995	CloneNo.: 2B6B12
Source: Mouse	UNIPROT ID: P30307	
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:
WB, FC, Indirect ELISA

Species Specificity:
Human, Mouse, Rat

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.

Storage

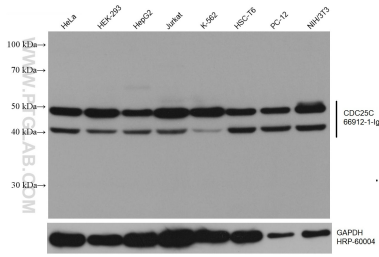
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

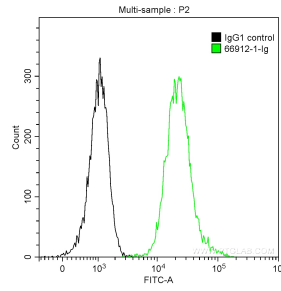
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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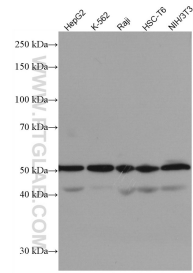
Selected Validation Data



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. This data was developed using the same antibody clone with 66912-1-PBS in a different storage buffer formulation.



1X10⁶ 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. This data was developed using the same antibody clone with 66912-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66912-1-PBS in a different storage buffer formulation.