For Research Use Only

CDC25A Polyclonal antibody

Catalog Number: 55031-1-AP

Featured Product 39 Publications



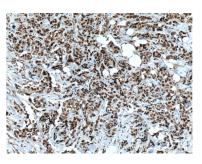
Basic Information	Catalog Number: 55031-1-AP	GenBank Accession Number: NM_001789	Purification Method: Antigen affinity purification
	Size: 150ul, Concentration: 600 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GeneID (NCBI): 993 UNIPROT ID: P30304 Full Name: cell division cycle 25 homolog A (pombe) Calculated MW: 59 kDa Observed MW: 60 kDa	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for 1.0-3.0 mg of tota protein lysate IHC 1:50-1:500 IF-P 1:50-1:500 S.
Applications	Tested Applications: WB, IHC, IF-P, IP, ELISA	Positive Controls:	
	Cited Applications:		2 cells, mouse liver tissue
	WB, IHC, IF, IP	IP : HeLa ce	
	Species Specificity: human, mouse	tissue	n breast cancer tissue, human glioma
	Cited Species: human, mouse	IF-P : huma	n breast cancer tissue,
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		
Background Information	CDC25A belongs to the MPI phosphatase family. It is a tyrosine protein phosphatase which functions as a dosage dependent inducer of mitotic progression. CDC25A directly dephosphorylates CDC2 and stimulates its kinase activity. It also dephosphorylates CDK2 in complex with cyclin E, in vitro. CDC25A overexpression in human can might contribute to tumorigenesis. This protein can be phosphorylated to reveal the molecular weight from 55 kI to 70 kDa(PMID:21376736; 8156993). The antibody is specific to CDC25A.		
	to 70 kDa(PMID:21376736; 8156993,		
Notable Publications		ibmed ID Journal	Application
Notable Publications	Author Pu	ibmed ID Journal 1943060 Cell Commun Sig	Application nal WB,IHC
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Notable Publications	AuthorPuHang Li32Yonglong Zhang31	2943060 Cell Commun Sig	nal WB,IHC

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

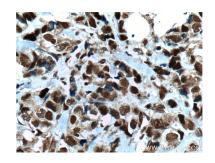
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

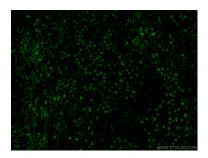




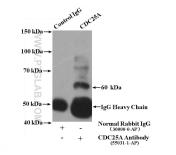
HepG2 cells were subjected to SDS PAGE followed by western blot with 55031-1-AP (CDC25A antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 55031-1-AP (CDC25A Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 55031-1-AP (CDC25A Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 55031-1-AP (CDC25A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



IP result of anti-CDC25A (IP:55031-1-AP, 4ug; Detection:55031-1-AP 1:300) with HeLa cells lysate 4000ug.