For Research Use Only

P21 Recombinant antibody

Catalog Number:82669-2-RR 1 Publications

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Basic Information	Catalog Number: 82669-2-RR	GenBank Accession Number: BC000275	Purification Method: Protein A purification				
	Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GeneID (NCBI): 1026	CloneNo.: 3N14				
		UNIPROT ID: P38936 Full Name:	Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for 1.0-3.0 mg of total				
				Immunogen Catalog Number: AG0368	Calculated MW: 18 kDa		
					oserved MW: kDa		
	Applications	Tested Applications:	Positive Contr	ntrols:			
		WB, IF/ICC, IP, ELISA Cited Applications: WB		lls, A549 cells, HCT 116 cells, HUVEC lls, HepG2 cells, THP-1 cells, U-87 MC			
Species Specificity:			IP : MCF-7 cells,				
human Cited Species: human		IF/ICC : MCF-	7 cells,				
	numan						
Background Information	CDKN1A (p21, CIP1, WAF1) is a cyclir cyclin-CDK2 or -CDK4 complexes, and expression of CDKN1A is induced by p53-dependent cell cycle G1 phase a proliferating cell nuclear antigen (PC repair. CDKN1A was reported to be sp activation of CDK2, and may be instru	n-dependent kinase inhibitor. CDKN1A d thus functions as a regulator of cell cy wild-type but not mutant p53 protein, t rrest in response to a variety of stress s NA), and plays a regulatory role in S pl recifically cleaved by CASP3-like casp umental in the execution of apoptosis f encode an identical protein, have been	/cle progression at the G1 phase. The through which CDKN1A mediates the timuli. CDKN1A can interact with hase DNA replication and DNA dama ases, which thus leads to a dramatic following caspase activation. Two				
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For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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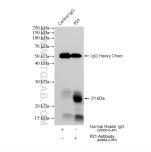
Selected Validation Data



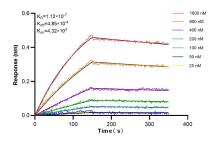
Various lysates were subjected to SDS PAGE followed by western blot with 82669-2-RR (P21 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using P21 antibody (82669-2-RR, Clone: 3N14) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP result of anti-P21 (IP:82669-2-RR, 4ug; Detection:82669-2-RR 1:800) with MCF-7 cells lysate 760 ug.



Biolayer interferometry (BLl) kinetic assays of 82669-2-RR against Human P21 were performed. The affinity constant is 112 nM.