For Research Use Only

CoraLite®594-conjugated P21 Polyclonal antibody

Catalog Number:CL594-10355

Featured Product

1 Publications



Basic Information	Catalog Number: CL594-10355	GenBank Accession Number: BC000275	Purification Method: Antigen affinity purification	
	Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG0368	GeneID (NCBI):	Recommended Dilutions: IF/ICC: 1:50-1:500 FC (Intra): 0.80 ug per 10^6 cells in a 100 µl suspension	
		Full Name: cyclin-dependent kinase inhibitor 1A (p21, Cip1) Calculated MW: 18 kDa Observed MW: 21 kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm	
Applications	Tested Applications:	Positive Controls:		
	IF/ICC, FC (Intra)	IF/ICC : MCF-	7 cells,	
	Cited Applications: IF	FC (Intra) : MC	FC (Intra) : MCF-7 cells,	
	Species Specificity:			
	human			
Background Information	CDKN1A (p21, CIP1, WAF1) is a cyclin cyclin-CDK2 or -CDK4 complexes, and expression of CDKN1A is induced by y p53-dependent cell cycle G1 phase an proliferating cell nuclear antigen (PC repair. CDKN1A was reported to be sp activation of CDK2, and may be instru	-dependent kinase inhibitor. CDKN1A I thus functions as a regulator of cell cy wild-type but not mutant p53 protein, t rest in response to a variety of stress s NA), and plays a regulatory role in S pl ecifically cleaved by CASP3-like casp umental in the execution of apoptosis f encode an identical protein, have beer	rcle progression at the G1 phase. The hrough which CDKN1A mediates the timuli. CDKN1A can interact with hase DNA replication and DNA damag 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 free
in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.comW: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Coralite®594 P21 antibody (CL594-10355) at dilution of 1:200, CL488phalloidin (green).



1X10^6 MCF-7 cells were intracellularly stained with 0.8 ug CoraLite® 594 Anti-Human P21 (CL594-10355) (red), or 0.8 ug CoraLite® 594-conjugated Rabbit IgG control Rabbit PolyAb (CL594-30000, Clone:) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.