

Nur für Forschungszwecke

P21 Polyklonaler Antikörper

Katalog-Nr.:CL488-10355

Vorgestelltes Produkt



Allgemeine Informationen

Katalog-Nr.: CL488-10355	GenBank-Zugangsnummer: BC000275	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul , Konzentration: 1000 µg/ml von1026 Nanodrop;	GeneID (NCBI): Vollständiger Name: cyclin-dependent kinase inhibitor 1A (p21, Cip1)	Empfohlene Verdünnungen: IF 1:50-1:500
Wirt: Kaninchen	Berechnete Masse: 21 kDa	Anregungs-/Emissionsmaxima-Wellenlängen: 493 nm / 522 nm
Isotyp: IgG	Beobachtete Masse: 21 kDa	
Immunogen Katalognummer: AG0368		

Anwendungen

Geprüfte Anwendungen: FC (Intra), IF	Positivkontrollen: IF : MCF-7-Zellen,
Getestete Reaktivität: Human	

Hintergrundinformationen

CDKN1A (p21, CIP1, WAF1) is a cyclin-dependent kinase inhibitor. CDKN1A binds to and inhibits the activity of cyclin-CDK2 or -CDK4 complexes, and thus functions as a regulator of cell cycle progression at the G1 phase. The expression of CDKN1A is induced by wild-type but not mutant p53 protein, through which CDKN1A mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. CDKN1A can interact with proliferating cell nuclear antigen (PCNA), and plays a regulatory role in S phase DNA replication and DNA damage repair. CDKN1A was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of CDK2, and may be instrumental in the execution of apoptosis following caspase activation. Two alternatively spliced variants, which encode an identical protein, have been reported.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

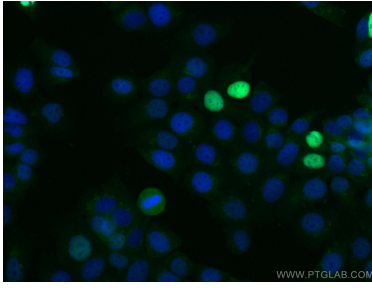
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

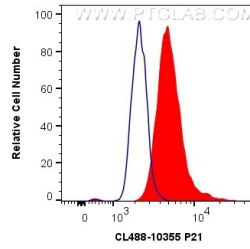
E: proteintech@ptglab.com
W: ptglab.com

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

Ausgewählte Validierungsdaten



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 P21 antibody (CL488-10355) at dilution of 1:100.



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human P21 (CL488-10355) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).