

Nur für Forschungszwecke

p21 Polyklonaler Antikörper

Katalog-Nr.: 28248-1-AP

16 Publikationen



Allgemeine Informationen

Katalog-Nr.: 28248-1-AP	GenBank-Zugangsnummer: NM_001111099	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 12575	Empfohlene Verdünnungen: WB 1:500-1:2000 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: cyclin-dependent kinase inhibitor 1A (P21)	
Isotyp: IgG	Berechnete Masse: 18 kDa	
Immunogen Katalognummer: AG28394	Beobachtete Masse: 18 kDa	

Anwendungen

Geprüfte Anwendungen: IF, WB, ELISA	Positivkontrollen:
In Publikationen genannte Anwendungen: IF, IHC, WB	WB: PC-12-Zellen, DC2.4-Zellen, Neuro-2a-Zellen, NIH/3T3-Zellen, RAW 264.7-Zellen, Sp2/O-Zellen
Getestete Reaktivität: Maus, Ratte	IF: NIH/3T3-Zellen,
Zitierte Arten: Maus, Ratte	

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jingjing Pan	36152427	Ecotoxicol Environ Saf	WB
Jiying Hou	36077440	Int J Mol Sci	WB
Haowei Fu	36423848	Sci Total Environ	WB

Lagerung

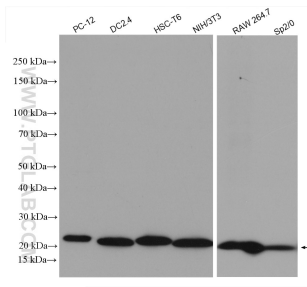
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

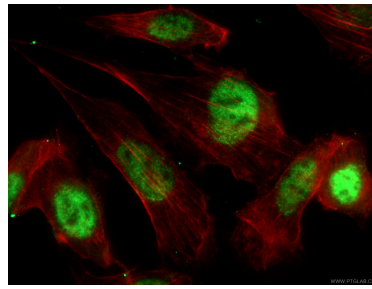
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
W: ptglab.com

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Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 28248-1-AP (p21 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using 28248-1-AP (p21 antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). F-actin is stained using CL555-phalloidin (red).