

Nur für Forschungszwecke

P27; KIP1 Polyklonaler Antikörper

Katalog-Nr.:25614-1-AP

Vorgestelltes Produkt

157 Publikationen



Allgemeine Informationen

| | | |
|---|--|---|
| Katalog-Nr.: 25614-1-AP | GenBank-Zugangsnummer: BC001971 | Reinigungsmethode: Antigen-Affinitätsreinigung |
| Größe: 150ul , Konzentration: 900 µg/ml von Nanodrop; | GeneID (NCBI): 1027 | Empfohlene Verdünnungen: WB 1:1000-1:8000 IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB |
| Wirt: Kaninchen | Vollständiger Name: cyclin-dependent kinase inhibitor 1B (p27, Kip1) | IHC 1:50-1:500 IF 1:50-1:500 |
| Isotyp: IgG | Berechnete Masse: 198 aa, 22 kDa | |
| Immunogen Katalognummer: AG22582 | Beobachtete Masse: 27 kDa | |

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
CoIP, IF, IHC, IP, WB

Getestete Reaktivität:
Human, Maus

Zitierte Arten:
Human, Hund, Maus, Ratte, Rind

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, MCF-7-Zellen, NIH/3T3-Zellen

IP: NIH/3T3-Zellen,

IHC: humanes Mammakarzinomgewebe, humanes Kolonkarzinomgewebe, humanes Lungenkarzinomgewebe, humanes Ovarialkarzinomgewebe

IF: HepG2-Zellen, Maushodengewebe

Hintergrundinformationen

CDKN1B, also named as P27 or KIP1, is a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. P27 binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controlling cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state. Downregulation of P27 has been implicated in the progression of several malignancies, including lung cancer, hepatocellular carcinoma, salivary cancer, oral squamous cell carcinomas, and gastric cancer.

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|---------------|-----------|----------------------------|-----------|
| Yong-Li Zhang | 34679694 | Antioxidants (Basel) | WB |
| Qian Chen | 32997272 | J Nat Med | WB |
| Hai Zhou | 36206599 | Biochem Biophys Res Commun | 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**

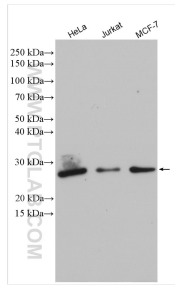
For technical support and original validation data for this product please contact:

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

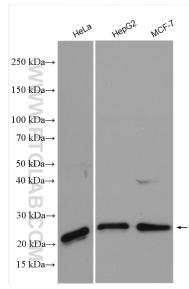
E: proteintech@ptglab.com
W: ptglab.com

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

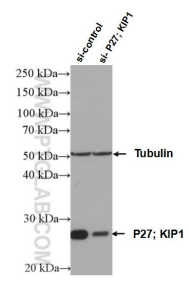
Ausgewählte Validierungsdaten



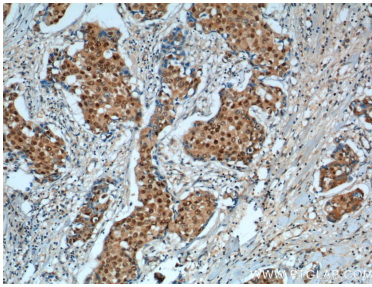
Various lysates were subjected to SDS PAGE followed by western blot with 25614-1-AP (P27; KIP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



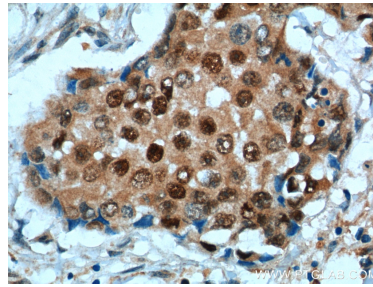
Various lysates were subjected to SDS PAGE followed by western blot with 25614-1-AP (P27; KIP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



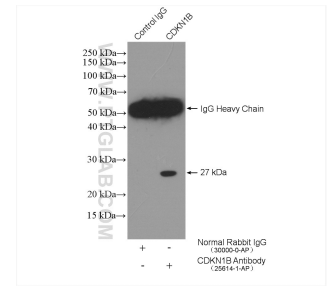
WB result of P27; KIP1 antibody (25614-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P27; KIP1 transfected HeLa cells.



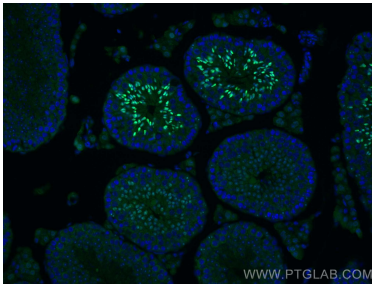
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 25614-1-AP (P27; KIP1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



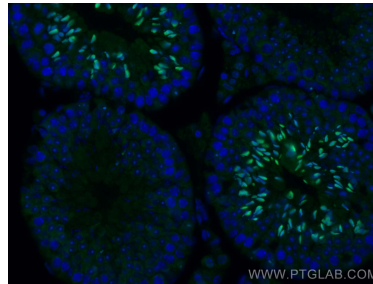
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 25614-1-AP (P27; KIP1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



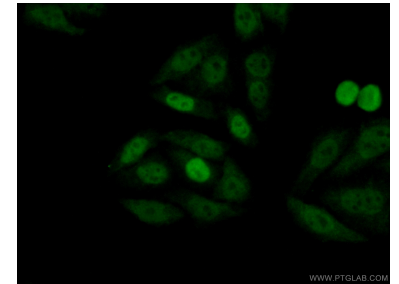
IP result of anti-P27; KIP1 (IP:25614-1-AP, 4ug; Detection:25614-1-AP 1:1000) with NIH/3T3 cells lysate 3440 ug.



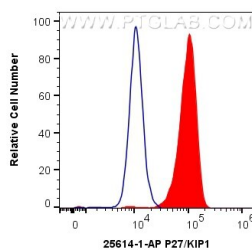
Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using P27; KIP1 antibody (25614-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using P27; KIP1 antibody (25614-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 25614-1-AP (P27; KIP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human P27; KIP1 (25614-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).