À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-P27; KIP1

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:25614-1-AP Phare 167 Publications

## Informations de base

Numéro de catalogue:
25614-1-AP

Taille:
150ul , Concentration: 900 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG22582

Numéro d'acquisition GenBank:
BC001971

Identification du gène (NCBI):
1027

Nom complet:
cyclin-dependent kinase inhibitor 1B (p27, Kip1)

MW calculé
198 aa, 22 kDa

MW observés:
27 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:8000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:50-1:500
IF 1:50-1:500

## Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
bovin, canin, Humain, rat, souris

***Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.***

Contrôles positifs:

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

IP : cellules NIH/3T3,

IHC : tissu de cancer du sein humain, tissu de cancer du côlon humain, tissu de cancer du poumon humain, tissu de tumeur ovarienne humain

IF : cellules HepG2, tissu testiculaire de souris

## Informations générales

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.

## Publications notables

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

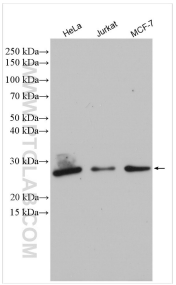
## Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

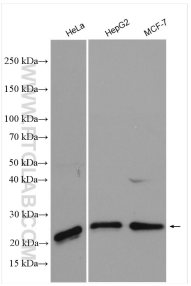
***** Les 20ul contiennent 0,1% de BSA.**

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

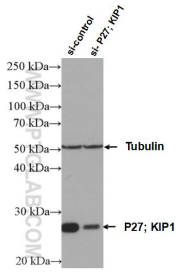
## Données de validation sélectionnées



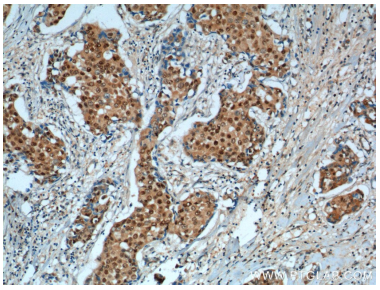

Various lysates were subjected to SDS PAGE followed by western blot with 25614-1-AP (P27; KIP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



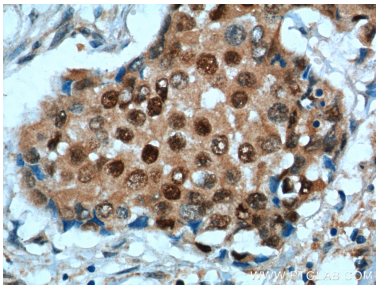

Various lysates were subjected to SDS PAGE followed by western blot with 25614-1-AP (P27; KIP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



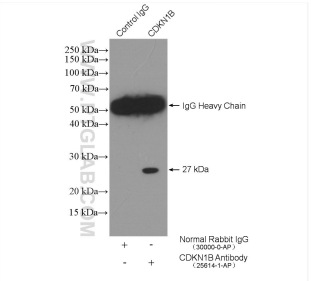

WB result of P27; KIP1 antibody (25614-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P27; KIP1 transfected HeLa cells.



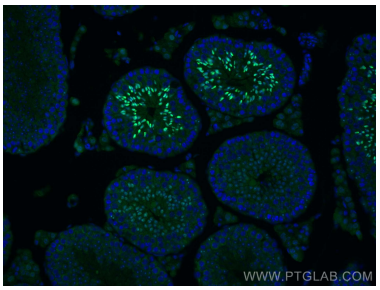
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 25614-1-AP (P27; KIP1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



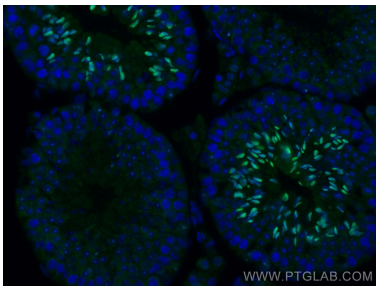
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 25614-1-AP (P27; KIP1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).




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).



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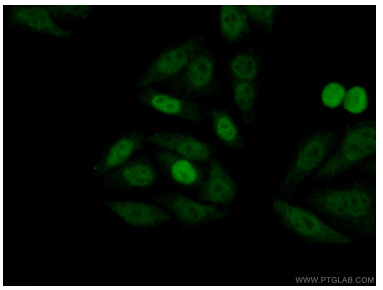
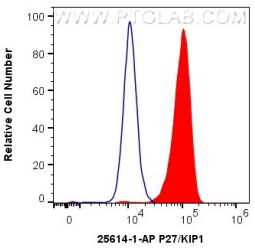


Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 25614-1-AP (P27; KIP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 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).