

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-VPRBP



Numéro de catalogue: 11612-1-AP

Phare

40 Publications

Informations de base

Numéro de catalogue:
11612-1-AP

Taille:
150ul, Concentration: 500 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG2184

Numéro d'acquisition GenBank:
BC022792

Identification du gène (NCBI):
9730

Nom complet:
Vpr (HIV-1) binding protein

MW calculé
1506 aa, 169 kDa

MW observés:
169 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 1:200-1:800

Applications

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

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
canin, Humain, 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 DU 145, cellules HEK-293, cellules HeLa, cellules HepG2, cellules K-562, cellules PC-3, tissu testiculaire de souris

IP : cellules HeLa,

IHC : tissu de cancer de la prostate humain, tissu testiculaire de souris

IF : cellules HeLa,

Informations générales

VprBP was first identified as a protein that can interact with HIV-1 viral protein R (PMID: 11223251). It is a component of the CUL4A-RBX1-DDB1-VprBP/DCAF1 E3 ubiquitin-protein ligase complex that could interact with HIV-1 virus Vpr protein and HIV-2 virus Vpx protein (PMID: 18332868; 17314515; 18606781). VprBP is a 1,507-amino acid protein that contains conserved domains, including YXXY repeats, the Lis homology motif, and WD40 repeats. Through binding to Vpr, VprBP allows Vpr to modulate the catalytic activity of the CUL4-DDB1 complex, which in turn leads to the induction of G2 phase arrest in the virus-infected cells (PMID: 17630831). Recently it has been reported that VprBP is able to regulate the p53-induced transcription and apoptotic pathway (PMID: 22184063).

Publications notables

Autrice	Pubmed ID	Journal	Application
Bo-Tai Li	29156803	Oncotarget	WB,IHC
María Arroyo	36056023	Nat Commun	IP,WB,IF
N Max Schabla	34648572	PLoS One	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.

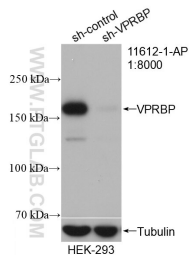
For technical support and original validation data for this product please contact:

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

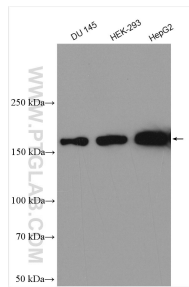
E: proteintech@ptglab.com
W: ptglab.com

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

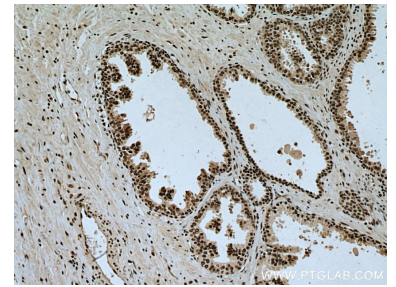
Données de validation sélectionnées



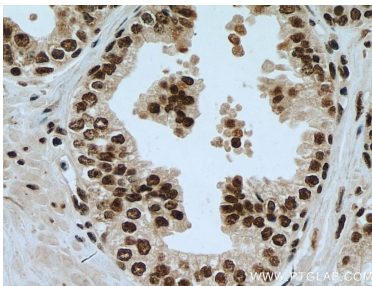
WB result of VPRBP antibody (11612-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VPRBP transfected HEK-293 cells.



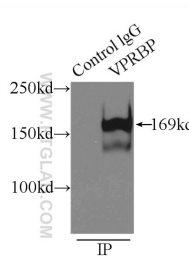
Various lysates were subjected to SDS PAGE followed by western blot with 11612-1-AP (VPRBP antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



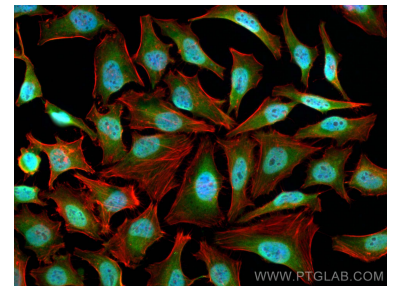
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11612-1-AP (VPRBP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



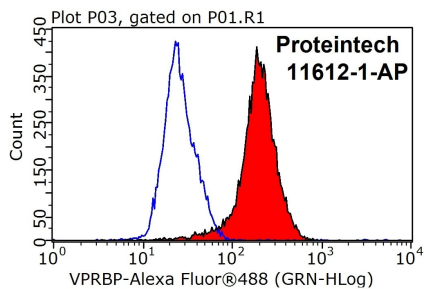
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11612-1-AP (VPRBP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-VPRBP (IP:11612-1-AP, 3ug; Detection:11612-1-AP 1:1000) with HeLa cells lysate 3800ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using VPRBP antibody (11612-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10⁶ HeLa cells were stained with 0.2ug VPRBP antibody (11612-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.