

Nur für Forschungszwecke

VPRBP Polyklonaler Antikörper

Katalog-Nr.: 11612-1-AP

Vorgestelltes Produkt

39 Publikationen



Allgemeine Informationen

Katalog-Nr.: 11612-1-AP	GenBank-Zugangsnummer: BC022792	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 9730	Empfohlene Verdünnungen: WB 1:1000-1:8000
Wirt: Kaninchen	Vollständiger Name: Vpr (HIV-1) binding protein	IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
Isotyp: IgG	Berechnete Masse: 1506 aa, 169 kDa	IHC 1:50-1:500
Immunogen Katalognummer: AG2184	Beobachtete Masse: 169 kDa	IF 1:200-1:800

Anwendungen

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

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

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Hund, Maus

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

Positivkontrollen:

WB: DU 145-Zellen, HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, K-562-Zellen, Maushodengewebe, PC-3-Zellen

IP: HeLa-Zellen,

IHC: humanes Prostatakarzinomgewebe, Maushodengewebe

IF: HeLa-Zellen,

Hintergrundinformationen

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).

Bemerkenswerte Veröffentlichungen

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

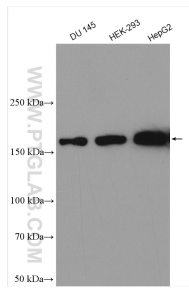
For technical support and original validation data for this product please contact:

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

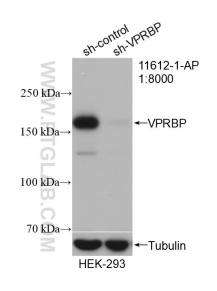
E: proteintech@ptglab.com
W: ptglab.com

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

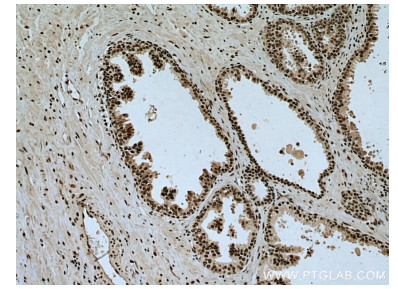
Ausgewählte Validierungsdaten



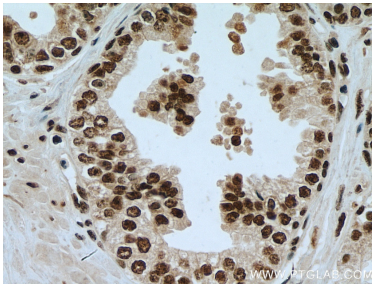
Various lysates were subjected to SDS PAGE followed by western blot with 11612-1-AP (VPRBP antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



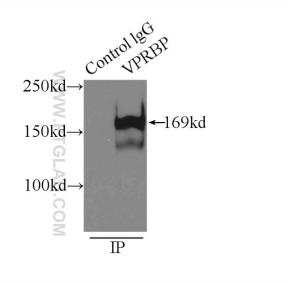
WB result of VPRBP antibody (11612-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VPRBP transfected HEK-293 cells.



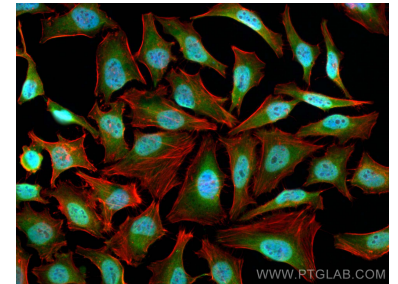
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11612-1-AP (VPRBP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



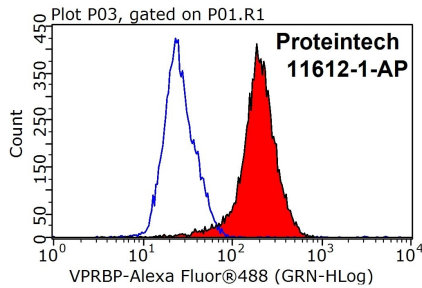
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11612-1-AP (VPRBP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.