

For Research Use Only

VPRBP Monoclonal antibody, PBS Only



Catalog Number: 66392-1-PBS

Featured Product

Basic Information

Catalog Number:

66392-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG2184

GenBank Accession Number:

BC022792

GeneID (NCBI):

9730

UNIPROT ID:

Q9Y4B6

Full Name:

Vpr (HIV-1) binding protein

Calculated MW:

1506 aa, 169 kDa

Observed MW:

169 kDa

Purification Method:

Protein A purification

CloneNo.:

1A7A8

Applications

Tested Applications:

WB, IF, IHC, Indirect ELISA

Species Specificity:

human

Background Information

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).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

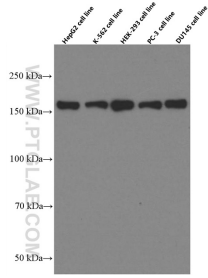
T: 4006900926

E: Proteintech-CN@ptglab.com

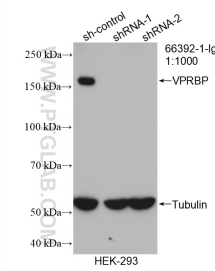
W: ptgcn.com

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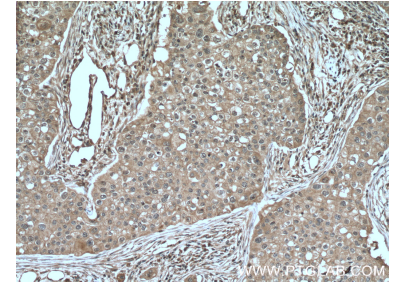
Selected Validation Data



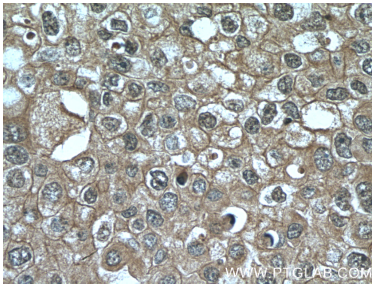
Various lysates were subjected to SDS PAGE followed by western blot with 66392-1-Ig (VPRBP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66392-1-PBS in a different storage buffer formulation.



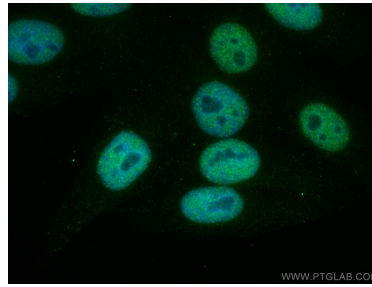
WB result of VPRBP antibody (66392-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VPRBP transfected HEK-293 cells. This data was developed using the same antibody clone with 66392-1-PBS in a different storage buffer formulation.



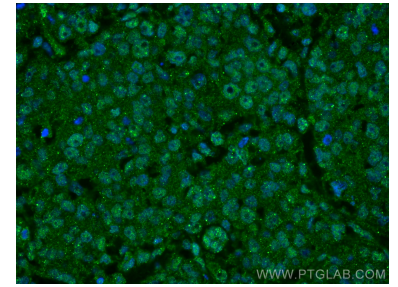
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66392-1-Ig (VPRBP antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66392-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66392-1-Ig (VPRBP antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66392-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using VPRBP antibody (66392-1-Ig, Clone: 1A7A8) at dilution of 1:800 and Coralite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66392-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using VPRBP antibody (66392-1-Ig, Clone: 1A7A8) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66392-1-PBS in a different storage buffer formulation.