

Rabbit anti-Human VPRBP Polyclonal Antibody | anti-VPRBP antibody

VPRBP Antibody

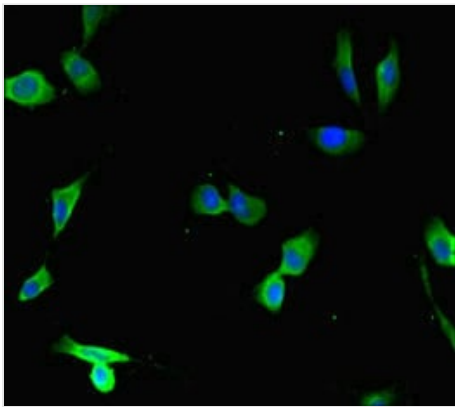
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231848	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

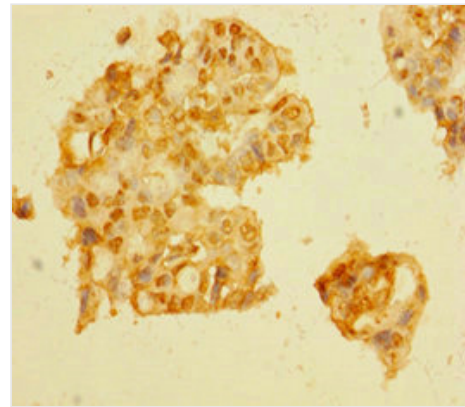
VPRBP; Polyclonal Antibody; VPRBP Antibody; Protein VPRBP; DDB1- and CUL4-associated factor 1; HIV-1 Vpr-binding protein; VprBP; Serine/threonine-protein kinase VPRBP (EC:2.7.11; DCAF1; KIAA0800; RIP; anti-VPRBP antibody

PRODUCT SPECIFICATIONS

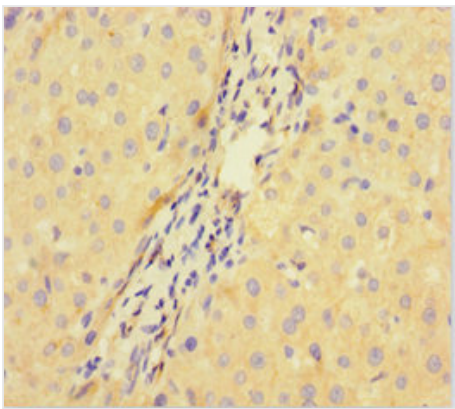
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	1506
Applicable Applications for anti-VPRBP antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Protein VPRBP protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-82419 / sc-98531
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

**IHC (Immunohistochemistry)**

Immunofluorescent analysis of HeLa cells using AAA231848 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human pancreatic cancer using AAA231848 at dilution of 1:100

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human liver cancer using AAA231848 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-VPRBP antibody

Acts both as a substrate recognition component of E3 ubiquitin-protein ligase complexes and as an atypical serine/threonine-protein kinase, playing key roles in various processes such as cell cycle, telomerase regulation and histone modification. Probable substrate-specific adapter of a DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complex, named CUL4A-RBX1-DDB1-DCAF1/VPRBP complex, which mediates ubiquitination and proteasome-dependent degradation of proteins such as NF2. Involved in the turnover of methylated proteins: recognizes and binds methylated proteins via its chromo domain, leading to ubiquitination of target proteins by the RBX1-DDB1-DCAF1/VPRBP complex (PubMed:23063525). The CUL4A-RBX1-DDB1-DCAF1/VPRBP complex is also involved in B-cell development: VPRBP is recruited by RAG1 to ubiquitinate proteins, leading to limit error-prone repair during V(D)J recombination. Also part of the EDVP complex, an E3 ligase complex that mediates ubiquitination of proteins such as TERT, leading to TERT degradation and telomerase inhibition (PubMed:23362280). Also acts as an atypical serine/threonine-protein kinase that specifically mediates phosphorylation of 'Thr-120' of histone H2A (H2AT120ph) in a nucleosomal context, thereby repressing transcription. H2AT120ph is present in the regulatory region of many tumor suppressor genes, down-regulates their transcription and is present at high level in a number of tumors (PubMed:24140421). Involved in JNK-mediated apoptosis during cell competition process via its interaction with LLGL1 and LLGL2 (PubMed:20644714). In case of infection by HIV-1 virus, it is recruited by HIV-1 Vpr in order to hijack the CUL4A-RBX1-DDB1-DCAF1/VPRBP function leading to arrest the cell cycle in G2 phase, and also to protect the viral protein from proteasomal degradation by another E3 ubiquitin ligase. The HIV-1 Vpr protein hijacks the CUL4A-RBX1-DDB1-DCAF1/VPRBP complex to promote ubiquitination and degradation of proteins such as TERT and ZIP/ZGPAT. In case of infection by HIV-2 virus, it is recruited by HIV-2 Vpx in order to hijack the CUL4A-RBX1-DDB1-DCAF1/VPRBP function leading to enhanced efficiency of macrophage infection and promotion of the replication of cognate primate lentiviruses in cells of monocyte/macrophage lineage.

NCBI AND UNIPROT INFORMATION

NCBI GI #	284813529
NCBI GeneID	9730
NCBI Accession #	NP_001165375.1
NCBI GenBank Nucleotide #	NM_001171904.1
UniProt Accession #	Q9Y4B6; Q2YD74; Q8TBD9; Q9HCA1; Q9UG37
Molecular Weight	118,235 Da
NCBI Official Full Name	protein VPRBP isoform 2
NCBI Official Synonym Full Names	DDB1 and CUL4 associated factor 1
NCBI Official Symbol	DCAF1
NCBI Official Synonym Symbols	VPRBP
NCBI Protein Information	protein VPRBP
UniProt Protein Name	Protein VPRBP
UniProt Gene Name	VPRBP
UniProt Synonym Gene Names	DCAF1; KIAA0800; RIP; VprBP
UniProt Entry Name	VPRBP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/vprbp-antibody-immunofluorescence-immunohistochemistry-elisa/231848>