

Rabbit anti-Mouse, Rat VHL Polyclonal Antibody | anti-VHL antibody

VHL Rabbit pAb

CATALOG # AAA281642	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

VHL; Polyclonal Antibody; VHL Rabbit pAb; HRCA1; RCA1; VHL1; pVHL; PVHL; anti-VHL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MPRRAENWDE AEVGAEAGV EEYGPEEDGG EESGAESGP EESGPEELGA EEEMEAGRPR PVLRSVNSRE PSQVIFCNRS PRVLPVWLN FDGEPQPYPT
Applicable Applications for anti-VHL antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human VHL (NP_937799.1).
Cellular Location	Cytoplasm, Membrane, Nucleus, Nucleus, Peripheral membrane protein
Positive Samples	Mouse brain, Rat brain
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using VHL Rabbit pAb at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using VHL antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-VHL antibody

Background: Von Hippel-Lindau syndrome (VHL) is a dominantly inherited familial cancer syndrome predisposing to a variety of malignant and benign tumors. A germline mutation of this gene is the basis of familial inheritance of VHL syndrome. The protein encoded by this gene is a component of the protein complex that includes elongin B, elongin C, and cullin-2, and possesses ubiquitin ligase E3 activity. This protein is involved in the ubiquitination and degradation of hypoxia-inducible-factor (HIF), which is a transcription factor that plays a central role in the regulation of gene expression by oxygen. RNA polymerase II subunit POLR2G/RPB7 is also reported to be a target of this protein. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

Product Categories/Family for anti-VHL antibody	Cell Biology & Developmental Biology; Cell Cycle; Cell cycle inhibitors; Research; Cell Biology & Developmental Biology; Cell Cycle; Cell differentiation; Research; Cell Biology & Developmental Biology; Ubiquitin; Ubiquitin-Proteasome Signaling Pathway
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507891
NCBI GeneID	7428
NCBI Accession #	NP_000542.1
NCBI GenBank Nucleotide #	NM_000551.3
UniProt Accession #	P40337; Q13599; Q6PDA9; B2RE45
Molecular Weight	24,153 Da
NCBI Official Full Name	von Hippel-Lindau disease tumor suppressor isoform 1
NCBI Official Synonym Full Names	von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase
NCBI Official Symbol	VHL
NCBI Official Synonym Symbols	RCA1; VHL1; pVHL; HRCA1
NCBI Protein Information	von Hippel-Lindau disease tumor suppressor; protein G7; elongin binding protein
UniProt Protein Name	Von Hippel-Lindau disease tumor suppressor
UniProt Gene Name	VHL
UniProt Entry Name	VHL_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/polyclonal/vhl-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281642>