

Rabbit VHL Polyclonal Antibody | anti-VHL antibody

VHL Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322306	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

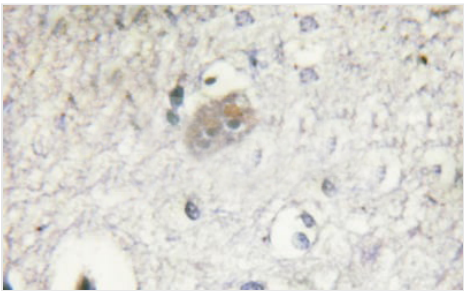
PRODUCT SYNONYMS

VHL; Polyclonal Antibody; VHL Antibody; Elongin binding protein; G7 protein; HRCA 1; HRCA1; Protein G7; pVHL; RCA 1; RCA1; VHL 1; VHL_HUMAN; VHL1; VHLH; Von Hippel Lindau disease tumor suppressor; von Hippel Lindau syndrome; von Hippel Lindau tumor suppressor; Von Hippel Lindau tumor suppressor; E3 ubiquitin protein ligase; Von Hippel-Lindau disease tumor suppressor; anti-VHL antibody

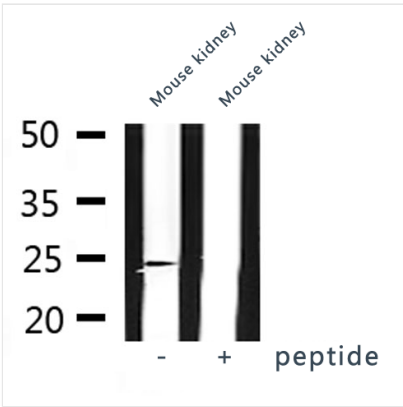
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	VHL antibody detects endogenous levels of total VHL
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	213
Applicable Applications for anti-VHL antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human VHL
Subcellular Location	Cytoplasm. Membrane. Nucleus. Found predominantly in the cytoplasm and with less amounts nuclear or membrane-associated and cytoplasm. Nucleus. Equally distributed between the nucleus and the cytoplasm but not membrane-associated.
Tissue Specificity	Expressed in the adult and fetal brain and kidney.
Predicted Cross Reactivity	Pig, Bovine, Dog
Similarity	Pig (100%), Bovine (90%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA322306 at 1/200 staining mouse kidney tissue sections by IHC-P.



WB (Western Blot)
Western blot analysis of VHL expression in whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-VHL antibody	Description: 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. Function: Involved in the ubiquitination and subsequent proteasomal degradation via the von Hippel-Lindau ubiquitination complex. Seems to act as a target recruitment subunit in the E3 ubiquitin ligase complex and recruits hydroxylated hypoxia-inducible factor (HIF) under normoxic conditions. Involved in transcriptional repression through interaction with HIF1A, HIF1AN and histone deacetylases. Ubiquitinates, in an oxygen-responsive manner, ADRB2. Subunit Structure: Component of the VCB (VHL-Elongin BC-CUL2) complex; this complex acts as a ubiquitin-ligase E3 and directs proteasome-dependent degradation of targeted proteins. Interacts with CUL2; this interaction is dependent on the integrity of the trimeric VBC complex. Interacts (via the beta domain) with HIF1A (via the NTAD domain); this interaction mediates degradation of HIF1A in normoxia and, in hypoxia, prevents ubiquitination and degradation of HIF1A by mediating hypoxia-induced translocation to the nucleus, a process which requires a hypoxia-dependent regulatory signal. Interacts with ADRB2; the interaction, in normoxia, is dependent on hydroxylation of ADRB2 and the subsequent VCB-mediated ubiquitination and degradation of ADRB2. Under hypoxia, hydroxylation, interaction with VHL, ubiquitination and subsequent degradation of ADRB2 are dramatically decreased. Interacts with RNF139, USP33 and JADE1. Found in a complex composed of LIMD1, VHL, EGLN1/PHD2, ELOB and CUL2. Isoform 1 and isoform 3 interact with LIMD1 (via LIM zinc-binding 2), AJUBA (via LIM domains) and WTIP (via LIM domains). Interacts with EPAS1. Interacts with CARD9. Similarity: The Elongin BC complex binding domain is also known as BC-box with the consensus [APST]-L-x3-C-x3-[AILV]. Belongs to the VHL family.
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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	Observed: 25 kDa Predicted: 25 kDa
NCBI Official Full Name	von Hippel-Lindau disease tumor suppressor isoform 1
NCBI Official Synonym Full Names	von Hippel-Lindau tumor suppressor
NCBI Official Symbol	VHL

NCBI Official Synonym Symbols	RCA1; VHL1; pVHL; HRCA1
NCBI Protein Information	von Hippel-Lindau disease tumor suppressor
UniProt Protein Name	von Hippel-Lindau disease tumor suppressor
UniProt Gene Name	VHL

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/vhl-antibody-immunohistochemistry-western-blot-elisa/322306>