

VHL Polyclonal Antibody | anti-VHL antibody

VHL Polyclonal Antibody

CATALOG #
AAA10644

APPLICATIONS
Western Blot, Immunofluorescence, Immunohistochemistry, Immunocytochemistry

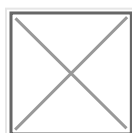
PRODUCT SYNONYMS

VHL; Polyclonal Antibody; VHL Polyclonal Antibody; HRCA1; RCA1; VHL1; pVHL; von Hippel-Lindau tumor suppressor; anti-VHL antibody

PRODUCT SPECIFICATIONS

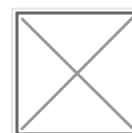
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence Length	213
Applicable Applications for anti-VHL antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Application Notes	WB 1:500 - 1:2000 IHC-P 1:50 - 1:200 IF/ICC 1:50 - 1:200
Source	Rabbit
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 58-170 of VHL (NP_000542.1).
Cross Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



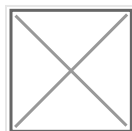
IF (Immunofluorescence)

Immunofluorescence analysis of U-251MG cells using VHL Polyclonal Antibody (AAA10644) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human kidney using VHL Rabbit pAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using VHL antibody (AAA10644) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-VHL antibody	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	Polyclonal
References	Phosphorylation-dependent cleavage regulates von Hippel Lindau proteostasis and function. P German, S Bai, X-D Liu, M Sun, L Zhou, S Kalra, X Zhang, R Minelli, K L Scott, G B Mills, E Jonasch and Z Ding (2016)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4033778
NCBI GeneID	7428
UniProt Accession #	P40337; Q13599; Q6PDA9; B2RE45
Molecular Weight	Calculated: 24kDa Observed: 24kDa
NCBI Official Full Name	Von Hippel-Lindau disease tumor suppressor
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.