

Mouse anti-Human VHL Monoclonal Antibody | anti-VHL antibody

VHL antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48954	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

VHL; Monoclonal Antibody; VHL antibody; Von Hippel-Lindau tumor suppressor isoform 1; HRCA1; RCA1; VHL1; Von Hippel-Lindau tumor suppressor isoform 1 pVHL; G7 protein; Elongin binding protein; HRCA 1; RCA 1; VHL 1; VHLH; Von Hippel Lindau disease tumor suppressor; von Hippel Lindau syndrome; von Hippel Lindau tumor suppressor; ; anti-VHL antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT82B10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	213
Applicable Applications for anti-VHL antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human VHL (1-154aa) purified from E. coli.
Clone Note	Anti-human VHL mAb, clone AT82B10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human VHL protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of VHL in Hep3B. The cell was stained with ATGA0492 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human VHL antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HepG2 cell lysate Lane 2.: HeLa cell lysate Lane 3.: Raji cell lysate Lane 4.: Jurkat cell lysate Lane 5.: A549 cell lysate Lane 6.: MCF7 cell lysate Lane 7.: PC3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-VHL antibody	Von Hippel-Lindau disease (VHL) is a dominant inherited syndrome characterized by the predisposition to develop various kinds of benign and malignant tumors, including clear cell renal carcinomas, pheochromocytomas and hemangioblastomas of the central nervous system and retina. VHL syndrome is caused by germline mutation in the VHL tumor suppressor, and VHL tumors are associated with loss or mutation of the remaining wild-type allele. VHL has two domains: a roughly 100-residue NH2-terminal domain rich in beta sheet (beta-domain) and a smaller alpha-helical domain (alpha-domain), held together by two linkers and a polar interface. VHL protein is also involved in the degradation of hypoxia-inducible factor (HIF).
Product Categories/Family for anti-VHL antibody	Cancer
References	Latif F., et al. (1993) Science. 260 (5112): 1317-20.; Duan DR., et al. (1995) PNAS. 92 (14): 6459-63.; Maxwell PH., et al. (1999) Nature. 399 (6733): 271-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507891
NCBI GeneID	7428
NCBI Accession #	NP_000542
NCBI GenBank Nucleotide #	NM_000551.3
UniProt Accession #	P40337; Q13599; Q6PDA9; B2RE45
Molecular Weight	18,532 Da
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/vhl-antibody-clone-at82b10-immunofluorescence-immunocytochemistry-western-blot-elisa/48954>