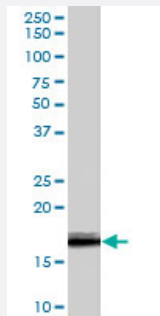


VHL polyclonal antibody

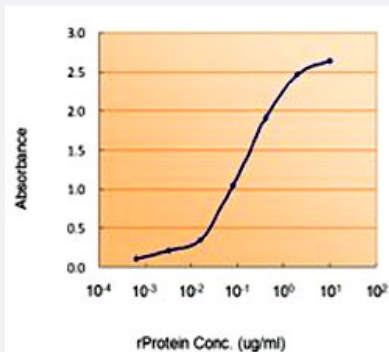
Catalog # PAB7071 Size 100 ug

Applications



Western Blot (Tissue lysate)

VHL polyclonal antibody (Cat # PAB7071) (0.01 ug/mL) staining of human ovary lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Sandwich ELISA

VHL polyclonal antibody (Cat # PAB7071) (1.5 ug/mL) as the reporter as the capture rabbit antibody (2.5 ug/mL).

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of VHL.
Immunogen	A synthetic peptide corresponding to internal region of human VHL.
Sequence	C-RSLVKPENYRRLD
Host	Goat
Theoretical MW (kDa)	24.2, 19.7
Reactivity	Human, Mouse, Rat

Specificity	This antibody is expected to recognize both reported isoforms (NP_000542.1 and NP_937799.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Sandwich ELISA (1.5-3 ug/mL) Western Blot (0.01-0.03 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

VHL polyclonal antibody (Cat # PAB7071) (0.01 ug/mL) staining of human ovary lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

- Sandwich ELISA

VHL polyclonal antibody (Cat # PAB7071) (1.5 ug/mL) as the reporter as the capture rabbit antibody (2.5 ug/mL).

Gene Info — VHL

Entrez GeneID	7428
Protein Accession#	NP_000542.1;NP_937799.1
Gene Name	VHL
Gene Alias	HRCA1, RCA1, VHL1
Gene Description	von Hippel-Lindau tumor suppressor
Omim ID	144700 171300 193300 263400 608537

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

elongin binding protein

Publication Reference

- [Histone deacetylase inhibitors induce VHL and ubiquitin-independent proteasomal degradation of hypoxia-inducible factor 1alpha.](#)

Kong X, Lin Z, Liang D, Fath D, Sang N, Caro J.

Molecular and Cellular Biology 2006 Mar; 26(6):2019.

Pathway

- [Pathways in cancer](#)
- [Renal cell carcinoma](#)
- [Ubiquitin mediated proteolysis](#)

Disease

- [Adenocarcinoma](#)
- [Adrenal Gland Neoplasms](#)
- [Altitude Sickness](#)
- [Anoxia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Neoplasms](#)
- [Cerebellar Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glomus Tumor](#)
- [Head and Neck Neoplasms](#)
- [Hemangioblastoma](#)
- [Hemangioma](#)
- [Hippel-Lindau Disease](#)
- [Hypertension](#)
- [Kidney Neoplasms](#)
- [Lymphoproliferative Disorders](#)
- [Multiple endocrine neoplasia](#)
- [Multiple Endocrine Neoplasia Type 2a](#)
- [Myelodysplastic Syndromes](#)
- [Neoplasms](#)
- [Neurofibromatosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Paraganglioma](#)
- [Pheochromocytoma](#)
- [Polycythemia](#)

- [Retinal Neoplasms](#)
- [Syndrome](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [von Hippel-Lindau Disease](#)
- [Von Hippel-Lindau syndrome](#)