

## VHL rabbit monoclonal antibody

Catalog # H00007428-K      Size 100 ug x up to 3

### Specification

|                                |                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit monoclonal antibody raised against a human VHL peptide using ARM Technology.                                                                                                                                                                                          |
| <b>Immunogen</b>               | A synthetic peptide of human VHL is used for rabbit immunization.<br>Customer or Abnova will decide on the preferred peptide sequence.                                                                                                                                       |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                       |
| <b>Library Construction</b>    | Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).                                                                                                                                                                                           |
| <b>Expression</b>              | Overexpression vector and transfection into 293H cell line.                                                                                                                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                        |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                          |
| <b>Quality Control Testing</b> | Antibody reactive against human VHL peptide by ELISA and mammalian transfected lysate by Western Blot.                                                                                                                                                                       |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                            |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                     |
| <b>Deliverable</b>             | Up to three rabbit IgG clones of 100 ug each will be delivered to customer.                                                                                                                                                                                                  |
| <b>Note</b>                    | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — VHL

Entrez GeneID [7428](#)

GeneBank Accession# [VHL](#)

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

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