

**Von Hippel Lindau Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51677****Specification**

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**Von Hippel Lindau Antibody - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">P40337</a>
Reactivity	<b>Human, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>24 KDa</b>

**Von Hippel Lindau Antibody - Additional Information****Gene ID** 7428**Other Names**

Von Hippel-Lindau disease tumor suppressor, Protein G7, pVHL, VHL

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Von Hippel Lindau Antibody - Protein Information****Name** VHL**Function**

Involved in the ubiquitination and subsequent proteasomal degradation via the von Hippel-Lindau ubiquitination complex (PubMed: [10944113](http://www.uniprot.org/citations/10944113), PubMed: [17981124](http://www.uniprot.org/citations/17981124), PubMed: [19584355](http://www.uniprot.org/citations/19584355)). Seems to act as a target recruitment subunit in the E3 ubiquitin ligase complex and recruits hydroxylated hypoxia-inducible factor (HIF) under normoxic conditions (PubMed: [10944113](http://www.uniprot.org/citations/10944113), PubMed: [17981124](http://www.uniprot.org/citations/17981124)). Involved in transcriptional repression through interaction with HIF1A, HIF1AN and histone deacetylases (PubMed: [10944113](http://www.uniprot.org/citations/10944113), PubMed: [17981124](http://www.uniprot.org/citations/17981124), PubMed: [19584355](http://www.uniprot.org/citations/19584355)). Ubiquitinates, in an oxygen-responsive manner, ADRB2 (PubMed: [19584355](http://www.uniprot.org/citations/19584355)). Acts as a negative regulator of mTORC1 by promoting ubiquitination and degradation of RPTOR (PubMed: [34290272](http://www.uniprot.org/citations/34290272)).

**Cellular Location**

[Isoform 1]: Cytoplasm. Cell membrane; Peripheral membrane protein. Endoplasmic reticulum. Nucleus. Note=Found predominantly in the cytoplasm and with less amounts nuclear or membrane-associated (PubMed:9751722) Colocalizes with ADRB2 at the cell membrane (PubMed:19584355)

**Tissue Location**

Expressed in the adult and fetal brain and kidney.

**Von Hippel Lindau Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Von Hippel Lindau Antibody - Images****Von Hippel Lindau Antibody - Background**

Involved in the ubiquitination and subsequent proteasomal degradation via the von Hippel-Lindau ubiquitination complex. Seems to act as 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.

**Von Hippel Lindau Antibody - References**

Latif F., et al. Science 260:1317-1320(1993).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Muzny D.M., et al. Nature 440:1194-1198(2006).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Wenzel M., et al. Submitted (APR-1996) to the EMBL/GenBank/DDBJ databases.