

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

Von Hippel Lindau Antibody - Product Information

Application	WB, E
Primary Accession	P40337
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24 KDa

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

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

Dilution

WB~~1:1000

E~~N/A

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:<[a href="http://www.uniprot.org/citations/10944113" target="_blank">10944113](http://www.uniprot.org/citations/10944113), PubMed:<[a href="http://www.uniprot.org/citations/17981124" target="_blank">17981124](http://www.uniprot.org/citations/17981124), PubMed:<[a href="http://www.uniprot.org/citations/19584355" target="_blank">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:<[a href="http://www.uniprot.org/citations/10944113" target="_blank">10944113](http://www.uniprot.org/citations/10944113), PubMed:<[a href="http://www.uniprot.org/citations/17981124" target="_blank">17981124](http://www.uniprot.org/citations/17981124)). Involved in transcriptional repression through interaction with HIF1A, HIF1AN and histone deacetylases (PubMed:<[a href="http://www.uniprot.org/citations/10944113" target="_blank">10944113](http://www.uniprot.org/citations/10944113), PubMed:<[a href="http://www.uniprot.org/citations/17981124" target="_blank">17981124](http://www.uniprot.org/citations/17981124)). Ubiquitinates, in an oxygen-responsive manner, ADRB2 (PubMed:<[a href="http://www.uniprot.org/citations/19584355" target="_blank">19584355](http://www.uniprot.org/citations/19584355)).

Acts as a negative regulator of mTORC1 by promoting ubiquitination and degradation of RPTOR (PubMed: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.
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