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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

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, PubMed:17981124, PubMed: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, PubMed:17981124). Involved in transcriptional repression through interaction with HIF1A, HIF1AN and histone deacetylases (PubMed:10944113, PubMed:17981124). Ubiquitinates, in an oxygen-responsive manner, ADRB2 (PubMed: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 Cytomety
- Cell Culture

Von Hippel Lindau Antibody - Images

Von Hippel Lindau Antibody - Background

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Von Hippel Lindau Antibody - References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
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