

VHL Polyclonal Antibody
Catalog # AP74171**Specification****VHL Polyclonal Antibody - Product Information**

Application	IHC
Primary Accession	P40337
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

VHL Polyclonal Antibody - Additional Information**Gene ID** 7428**Other Names**

Von Hippel-Lindau disease tumor suppressor (Protein G7) (pVHL)

Dilution

IHC~~IHC-p 1:50-200, ELISA 1:10000-20000

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

VHL Polyclonal 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)

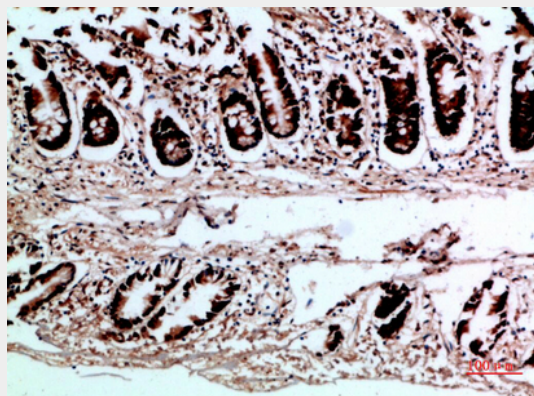
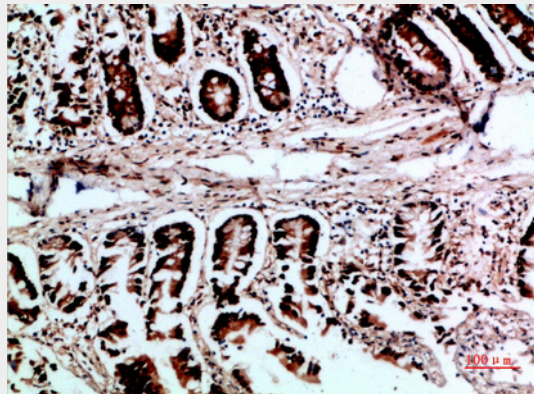
Tissue Location

Expressed in the adult and fetal brain and kidney.

VHL Polyclonal 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](#)

VHL Polyclonal Antibody - Images**VHL Polyclonal Antibody - Background**

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