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VHL

Mouse Monoclonal antibody(Mab)
Catalog # AD80335

Product Information

Application	IHC-P
Primary Accession	P40337
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	446I8D2
Calculated MW	24153

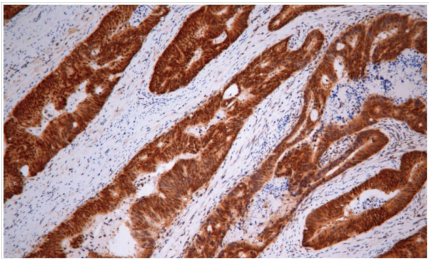
Additional Information

Gene ID	7428
Gene Name	VHL
Other Names	von Hippel-Lindau disease tumor suppressor, Protein G7, pVHL, VHL
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	VHL Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

Images



Immunohistochemical analysis of formalin-fixed and paraffin-embedded human colon carcinoma tissue was performed with VHL primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.