

**pVHL (ABT-PVHL) mouse mAb**

<b>Catalog No :</b>	YM6215
<b>Reactivity :</b>	Human;
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	VHL
<b>Fields :</b>	>>HIF-1 signaling pathway;>>Ubiquitin mediated proteolysis;>>Pathways in cancer;>>Renal cell carcinoma
<b>Gene Name :</b>	VHL
<b>Protein Name :</b>	Von Hippel-Lindau disease tumor suppressor (Protein G7) (pVHL)
<b>Human Gene Id :</b>	7428
<b>Human Swiss Prot No :</b>	P40337
<b>Immunogen :</b>	Synthesized peptide derived from human pVHL AA range: 150-213
<b>Specificity :</b>	This antibody detects endogenous levels of pVHL protein.
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Mouse, Monoclonal/IgG2b, kappa
<b>Dilution :</b>	IHC 1:50-200. IF 1:50-200. ELISA 1:500-5000
<b>Purification :</b>	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	24kD,19kD
<b>Observed Band :</b>	17kD

**Background :** von Hippel-Lindau tumor suppressor(VHL) Homo sapiens Von Hippel-Lindau syndrome (VHL) is a dominantly inherited familial cancer syndrome predisposing to a variety of malignant and benign tumors. A germline mutation of this gene is the basis of familial inheritance of VHL syndrome. The protein encoded by this gene is a component of the protein complex that includes elongin B, elongin C, and cullin-2, and possesses ubiquitin ligase E3 activity. This protein is involved in the ubiquitination and degradation of hypoxia-inducible-factor (HIF), which is a transcription factor that plays a central role in the regulation of gene expression by oxygen. RNA polymerase II subunit POLR2G/RPB7 is also reported to be a target of this protein. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008],

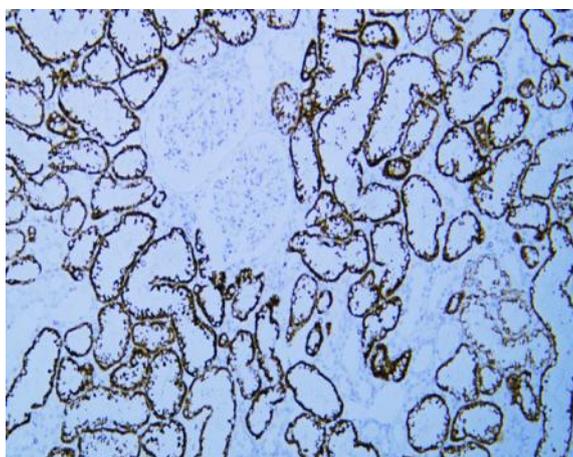
**Function :** disease:Defects in VHL are a cause of pheochromocytoma [MIM:171300]. The pheochromocytomas are catecholamine-producing, chromaffin tumors that arise in the adrenal medulla in 90% of cases. In the remaining 10% of cases, they develop in extra-adrenal sympathetic ganglia and may be referred to as "paraganglioma." Pheochromocytoma usually presents with hypertension. Approximately 10% of pheochromocytoma is hereditary. The genetic basis for most cases of non-syndromic familial pheochromocytoma is unknown.,disease:Defects in VHL are a cause of renal cell carcinoma type 1 (RCC1) [MIM:144700]; also called hypernephroma or adenocarcinoma of kidney. Familial renal cell carcinoma syndromes form a group of diseases characterized by a predisposition to development of renal cell carcinomas (RCCs) with various histological subtypes.,disease:Defects in VHL are the cause of erythrocytosis familial type

**Subcellular Location :** Cytoplasmic

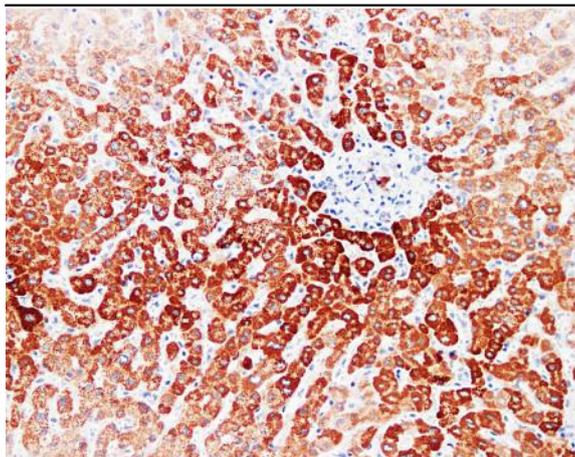
**Location :**

**Expression :** Expressed in the adult and fetal brain and kidney.

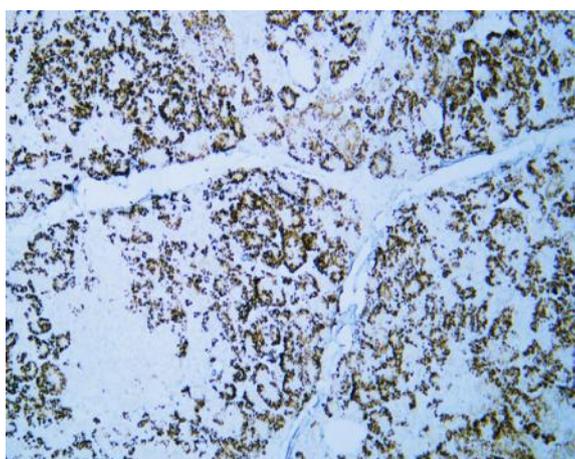
## Products Images



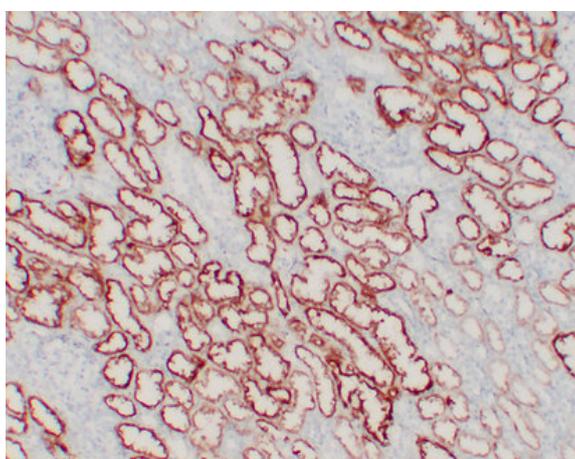
Human Kidney tissue was stained with Anti-pVHL (ABT-PVHL) Antibody



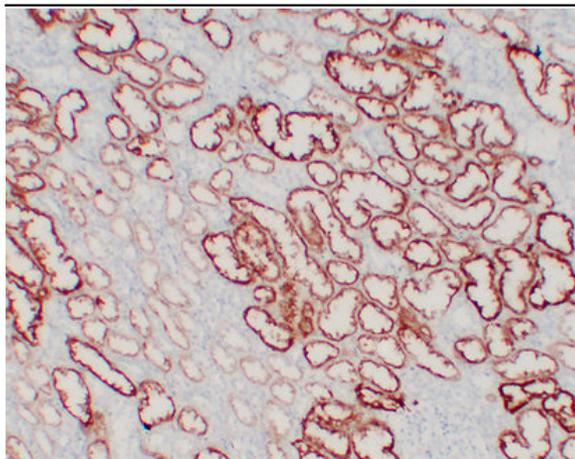
Human liver tissue was stained with Anti-pVHL (ABT-PVHL) Antibody



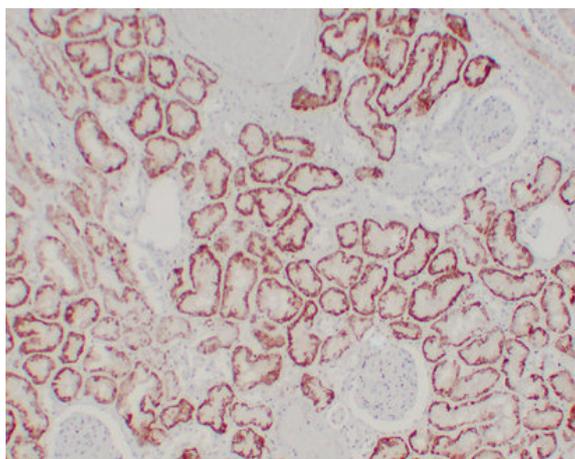
Human pancreas tissue was stained with Anti-pVHL (ABT-PVHL) Antibody



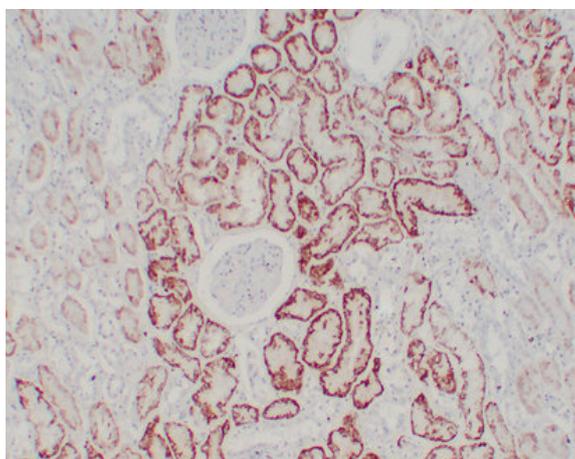
Immunohistochemical analysis of paraffin-embedded kidney. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



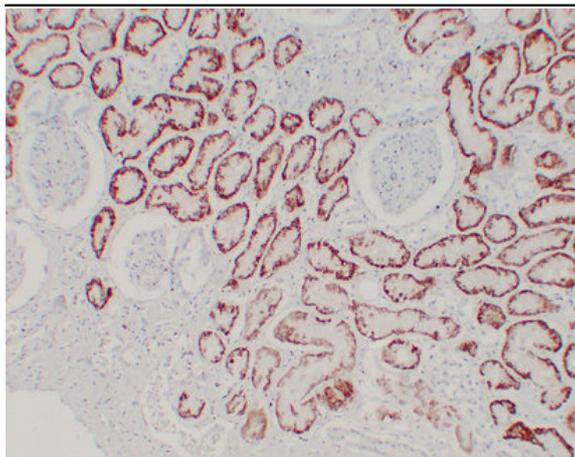
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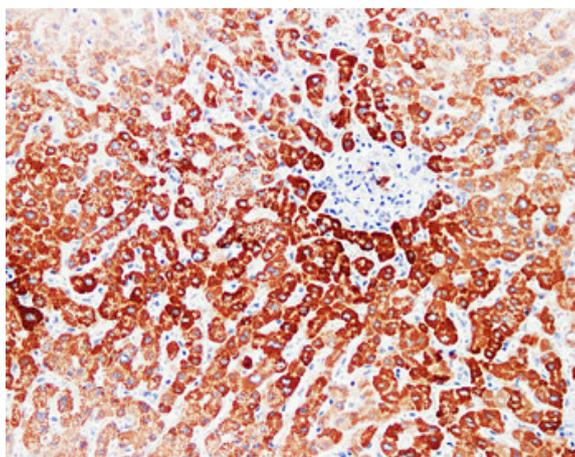
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Immunohistochemical analysis of paraffin-embedded Liver. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).