Best Tools for immunology Research

pVHL (ABT-PVHL) mouse mAb

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

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

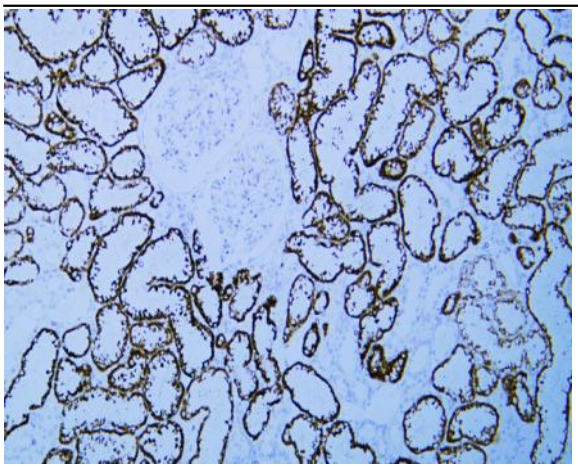
Sort : 13172

No4 : 1

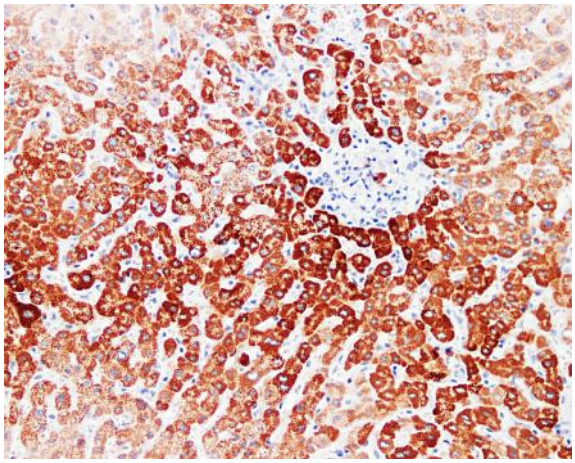
Host : Mouse

Modifications : Unmodified

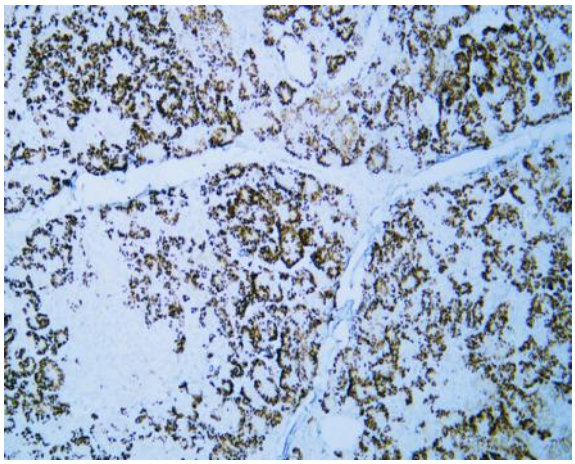
Products Images



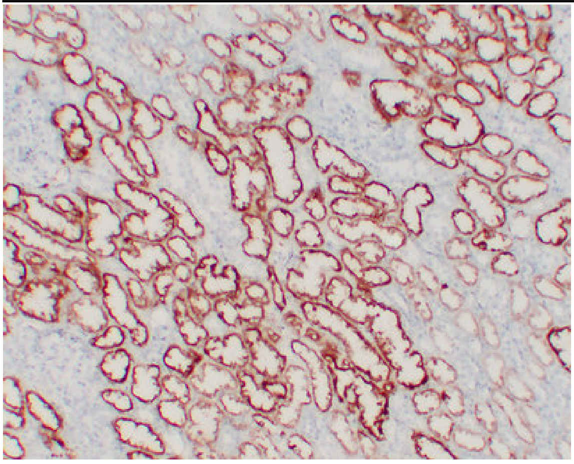
Human Kidney tissue was stained with Anti-pVHL (ABT-PVHL) Antibody



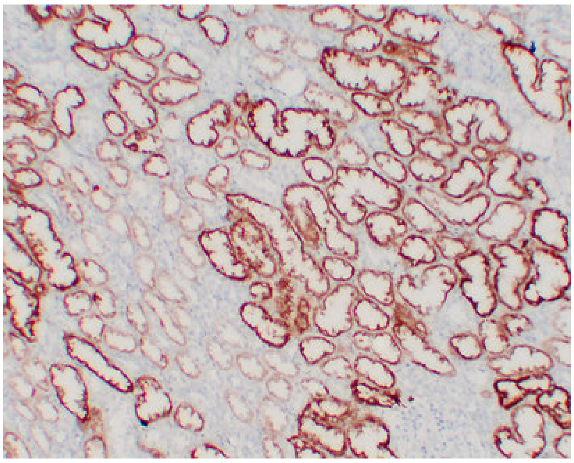
Human liver tissue was stained with Anti-pVHL (ABT-PVHL) Antibody



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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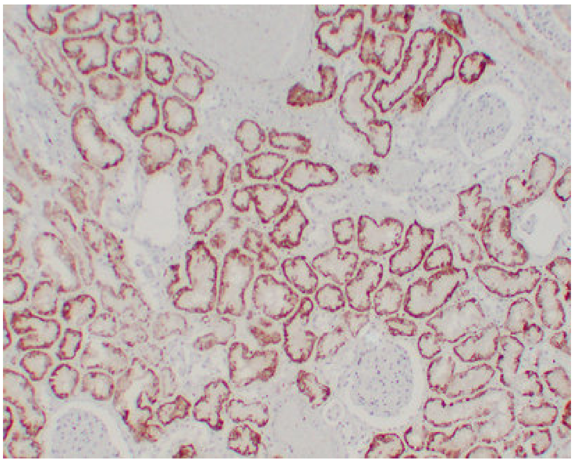

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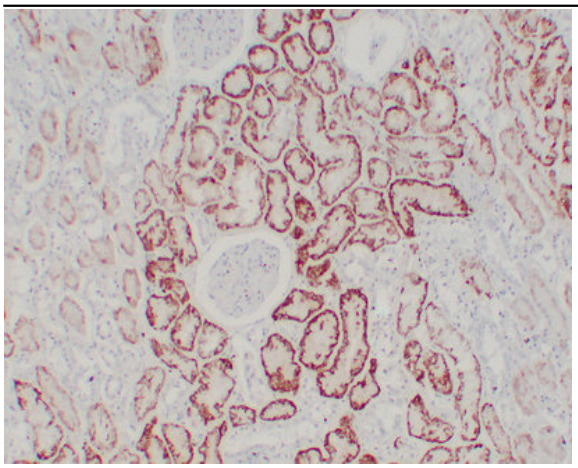

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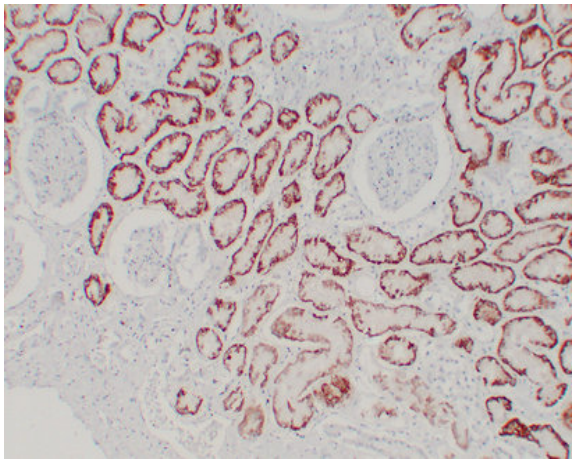

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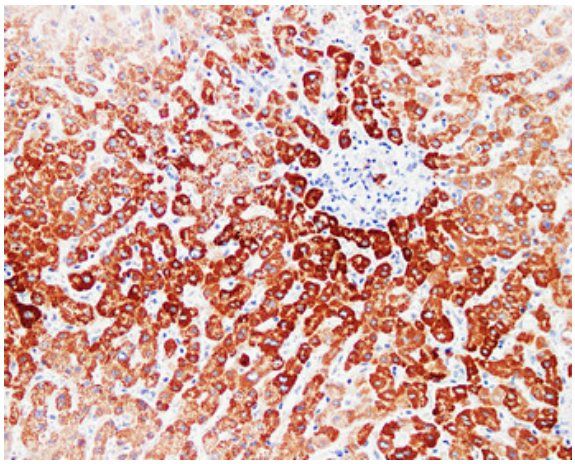

Immunohistochemical analysis of paraffin-embedded Liver. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).