

For Research Use Only

# VHL Polyclonal antibody

Catalog Number: 24756-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 24756-1-AP	<b>GenBank Accession Number:</b> BC058831	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 750 µg/ml	<b>GeneID (NCBI):</b> 7428	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P40337	
<b>Isotype:</b> IgG	<b>Full Name:</b> von Hippel-Lindau tumor suppressor	
<b>Immunogen Catalog Number:</b> AG21447	<b>Calculated MW:</b> 172 aa, 20 kDa	
	<b>Observed MW:</b> 18-24 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, HeLa cells, Raji cells IHC : human kidney tissue, human liver cancer tissue IF : HepG2 cells,
<b>Cited Applications:</b> WB, IF, IHC, CoIP	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

VHL (von Hippel-Lindau tumor suppressor) gene was identified as the tumor suppressor gene whose germ line mutations are associated with the inherited von Hippel-Lindau cancer syndrome (PMID: 8603073, 10722748). VHL patients develop a wide variety of tumors including retinal angioma, central nervous system hemangioblastoma, pheochromocytoma, and renal clear cell carcinoma (PMID: 10722748). VHL localizes predominantly to the cytoplasmic compartment but engages in a dynamic nuclear-cytoplasmic shuttle (PMID: 8700833, 9891082, 12101228). VHL has 3 isoforms with the molecular mass of 24, 20 and 18 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ping Liu	34900667	Front Oncol	WB
Shaojun Wu	34230460	Cell Death Discov	CoIP
Minying Zheng	38456491	Oncol Rep	WB,IF

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

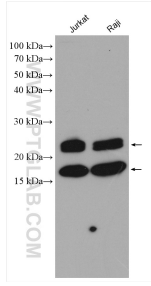
T: 4006900926

E: Proteintech-CN@ptglab.com

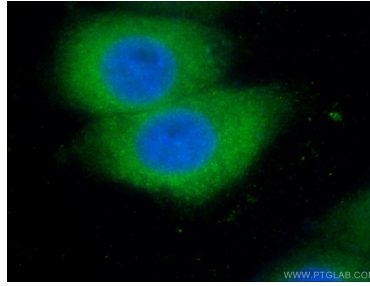
W: ptgcn.com

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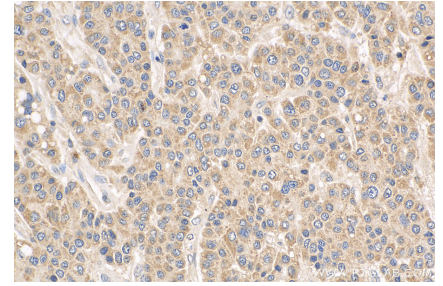
## Selected Validation Data



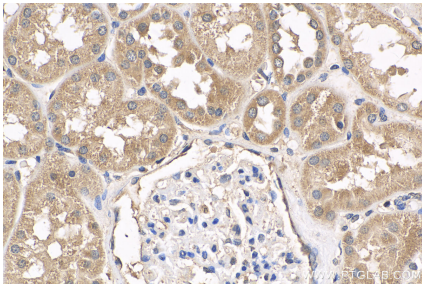
Various lysates were subjected to SDS PAGE followed by western blot with 24756-1-AP (VHL antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



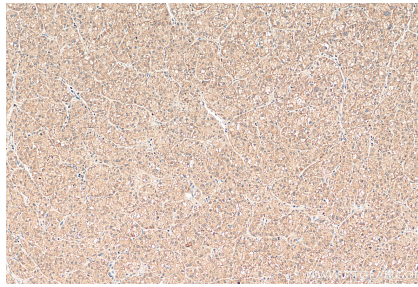
Immunofluorescent analysis of HepG2 cells using 24756-1-AP (VHL antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



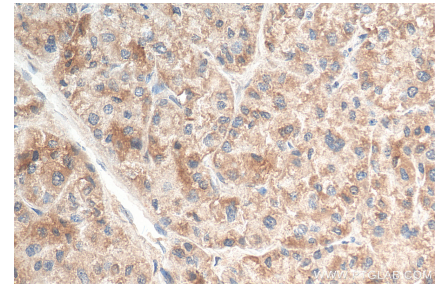
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24756-1-AP (VHL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 24756-1-AP (VHL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24756-1-AP (VHL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24756-1-AP (VHL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).