

For Research Use Only

# VHL Polyclonal antibody

Catalog Number: 16538-1-AP **6 Publications**



## Basic Information

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|--|---|--|
| <b>Catalog Number:</b><br>16538-1-AP       | <b>GenBank Accession Number:</b><br>BC058831            | <b>Purification Method:</b><br>Antigen affinity purification         |
| <b>Size:</b><br>650 µg/ml                  | <b>GeneID (NCBI):</b><br>7428                           | <b>Recommended Dilutions:</b><br>IHC 1:50-1:500<br>IF/ICC 1:10-1:100 |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>P40337                            |  |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>von Hippel-Lindau tumor suppressor |  |
| <b>Immunogen Catalog Number:</b><br>AG9843 | <b>Calculated MW:</b><br>172 aa, 20 kDa                 |  |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>IF/ICC, IHC, ELISA  | <b>Positive Controls:</b><br>IHC : human liver cancer tissue, human kidney tissue<br>IF/ICC : HepG2 cells, |
| <b>Cited Applications:</b><br>IF, IHC  |  |
| <b>Species Specificity:</b><br>human   |  |
| <b>Cited Species:</b><br>human, mouse  |  |
| <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 |
|-------------|-----------|-------------|-------------|
| Fabao Liu   | 26309161  | Oncotarget  |             |
| Rui Zhu     | 34760693  | Front Oncol | IHC         |
| Changhui Yu | 35351157  | Respir Res  | IHC         |

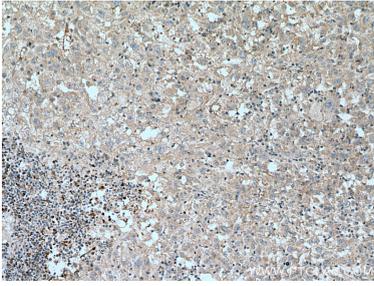
## Storage

**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:  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16538-1-AP (VHL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells, using VHL antibody 16538-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).