

For Research Use Only

VHL Polyclonal antibody

Catalog Number: 16538-1-AP

6 Publications



Basic Information

Catalog Number:

16538-1-AP

Size:

150ul, Concentration: 650 µg/ml by Nanodrop and 360 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9843

GenBank Accession Number:

BC058831

GeneID (NCBI):

7428

UNIPROT ID:

P40337

Full Name:

von Hippel-Lindau tumor suppressor

Calculated MW:

172 aa, 20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

IF, IHC, ELISA

Cited Applications:

IF, IHC

Species Specificity:

human

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human liver cancer tissue, human kidney tissue

IF/ICC : HepG2 cells,

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

*** 20ul sizes contain 0.1% BSA

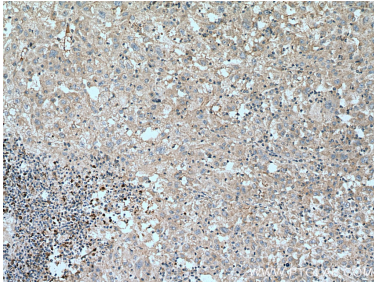
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

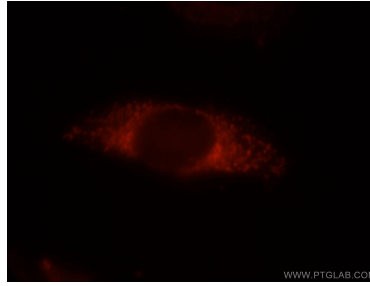
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using VHL antibody 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).