

For Research Use Only

VHL Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87374-3-PBS



Basic Information

Catalog Number: 87374-3-PBS	GenBank Accession Number: NML_000551.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7428	CloneNo.: 251968A5
Isotype: IgG	UNIPROT ID: P40337	
Immunogen Catalog Number: EG6405	Full Name: von Hippel-Lindau tumor suppressor	
	Calculated MW: 24 kDa	
	Observed MW: 18-24 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

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 isoforms with the molecular mass of 18-24 kDa.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

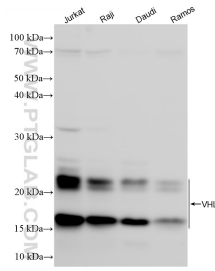
T: 4006900926

E: Proteintech-CN@ptglab.com

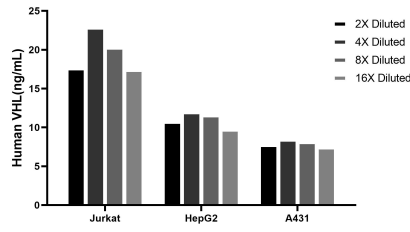
W: ptgcn.com

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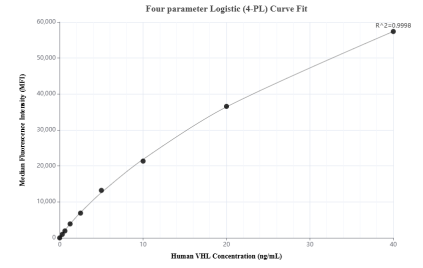
Selected Validation Data



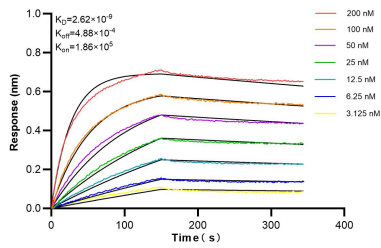
Various lysates were subjected to SDS PAGE followed by western blot with 87374-3-RR (VHL antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87374-3-PBS in a different storage buffer formulation.



The mean VHL concentration was determined to be 19.5 ng/mL in Jurkat cell extract based on a 1.2 mg/mL extract load, 11.0 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load, 7.9 ng/mL in A431 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP02982-1, VHL Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87374-3-PBS. Detection antibody: 87374-2-PBS. Standard: Eg6405. Range: 0.312-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 87374-3-RR against Human VHL were performed. The affinity constant is 2.62 nM.