For Research Use Only

VHL Recombinant monoclonal antibody, PBS Only

Catalog Number:87374-1-PBS

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Basic Information

Catalog Number:
87374-1-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG6405

GenBank Accession Number:
NM_000551.4

GeneID (NCBI):
7428

UNIPROT ID:
P40337

Full Name:
von Hippel-Lindau tumor suppressor

Calculated MW:
24 kDa

Observed MW:
18-24 kDa

Purification Method:
Protein A purification

CloneNo.:
251968F3

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

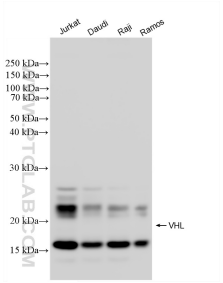
Background Information

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.

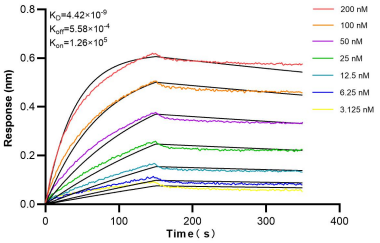
Storage

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87374-1-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 87374-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87374-1-RR against Human VHL were performed. The affinity constant is 4.42 nM.