

pVHL (AB1587) mouse mAb

V0120

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 0 kDa (calculated)
- 17 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1587

Immunogen A synthetic peptide corresponding to the amino acid region 150 - 213 of the human pVHL protein.

Specificity The antibody can specifically recognize human pVHL protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name VHL

Protein Name pVHL

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P40337	7428

Background

pVHL (Von Hippel-Lindau protein) , with a molecular weight of approximately 30 kDa, is a tumor suppressor protein encoded by the VHL gene. Its primary function is to regulate intracellular protein degradation, particularly in relation to the hypoxia-inducible factor (HIF) . pVHL is a crucial tumor suppressor that influences angiogenesis, metabolism, and tumor growth by modulating HIF degradation. Mutations in the VHL gene are the main driving factor of clear cell renal cell carcinoma (ccRCC) and are closely associated with hereditary diseases such as Von Hippel-Lindau disease. Pathological detection of pVHL and related targeted therapies play a significant role in cancer diagnosis and treatment.