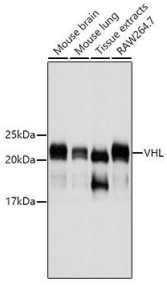
Product Data Sheet: VHL

Cat. No:	MAB-94445
Size:	100 ug
Clone:	VHL19
Concentration:	1mg/ml
Host:	Ms
Isotype:	IgG
Immunogen:	Recombinant protein of human VHL
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 – 1:1000 Immunohistochemistry: 1:50 – 1:100 Immunofluorescence: 1:50 – 1:100 Immunoprecipitation: 1:20 – 1:50
Molecular Weight:	24kDa
Purification:	Aff. Pur.
Synonyms:	VHL; HRCA1; RCA1; VHL1; pVHL; von Hippel-Linda u tumor suppressor
Background:	Von Hippel-Lindau syndrome (VHL) is a dominantly inherited familial cancer syndrome predisposing to a variety of malignant and benign tumors. A germline mutation of this gene is the basis of familial inheritance of VHL syndrome. The protein encoded by this gene is a component of the protein complex that includes elongin B, elongin C, and cullin-2, and possesses ubiquitin ligase E3 activity. This protein is involved in the ubiquitination and degradation of hypoxia-inducible-factor (HIF), which is a transcription factor that plays a central role in the regulation of gene expression by oxygen. RNA polymerase II subunit POLR2G/RPB7 is also reported to be a target of this protein. Alternatively spliced transcript variants encoding distinct isoforms have been observed.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, pH7.3
Storage:	At 2-8°C for short term storage, and at -20°C for longer term. Avoid freeze and thaw cycles



Western blot analysis of extracts of various cell lines, using VHL antibody
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBS