

Product datasheet for **CF506222**

Von Hippel Lindau (VHL) Mouse Monoclonal Antibody [Clone ID: OT11E1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OT11E1
Applications:	IHC, WB
Recommended Dilution:	WB 1:4000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human VHL(NP_000542) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24 kDa
Gene Name:	von Hippel-Lindau tumor suppressor
Database Link:	NP_000542 Entrez Gene 22346 Mouse Entrez Gene 24874 Rat Entrez Gene 7428 Human P40337



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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. [provided by RefSeq, Jul 2008]

Synonyms:

HRCA1; pVHL; RCA1; VHL1

Protein Families:

Druggable Genome, Transcription Factors

Protein Pathways:

Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis

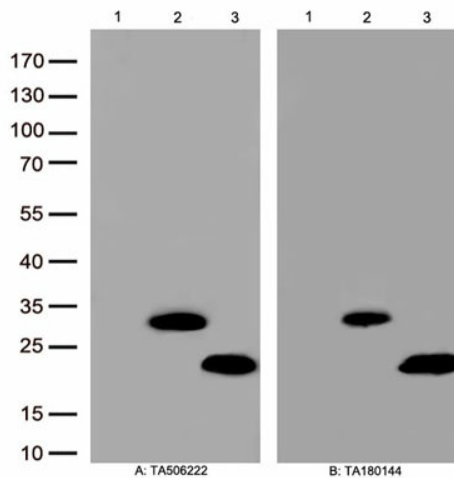
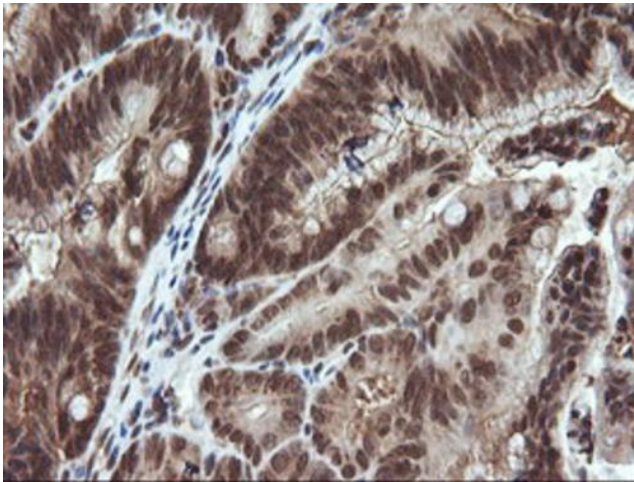
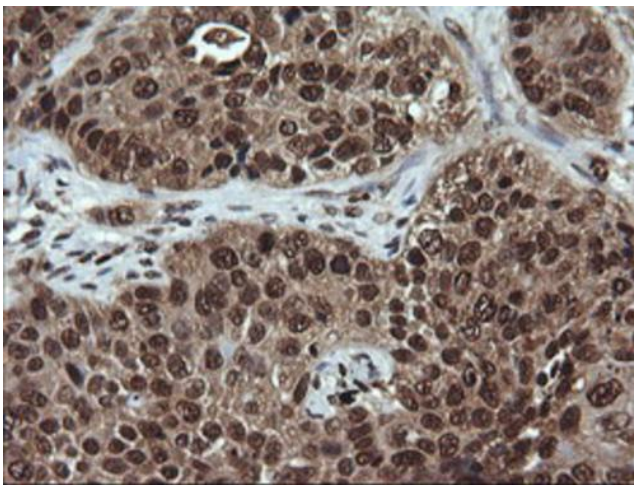
Product images:


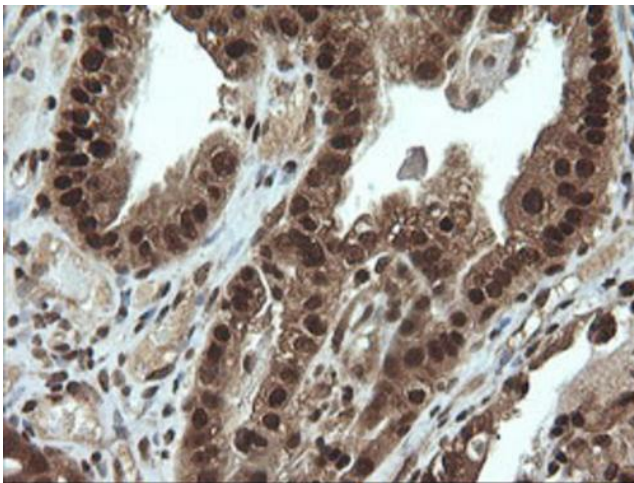
Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human VHL plasmid ([RC216151], lane 2), mouse VHL plasmid ([MR201630], lane 3) using anti-VHL antibody [TA506222] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



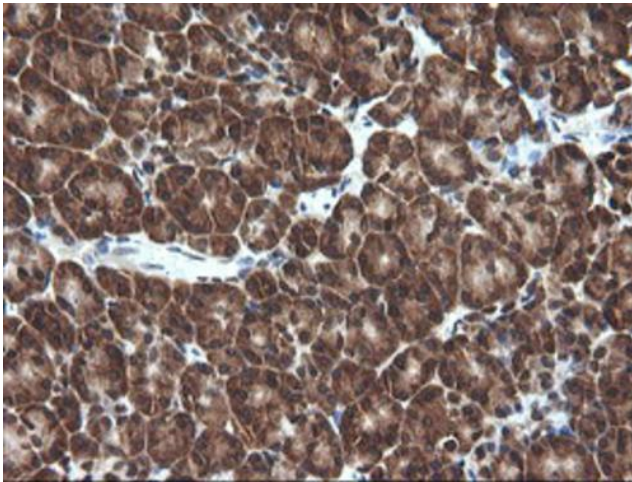
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-VHL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506222])



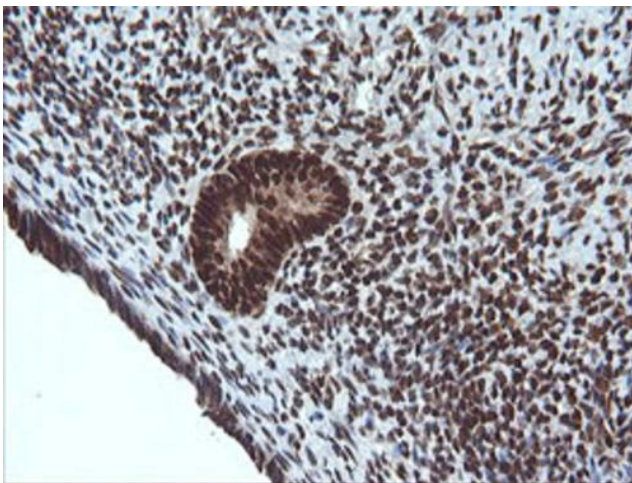
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-VHL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506222])



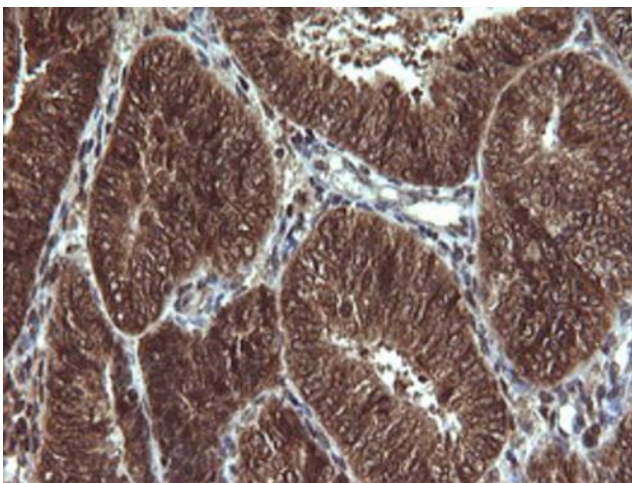
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-VHL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506222])



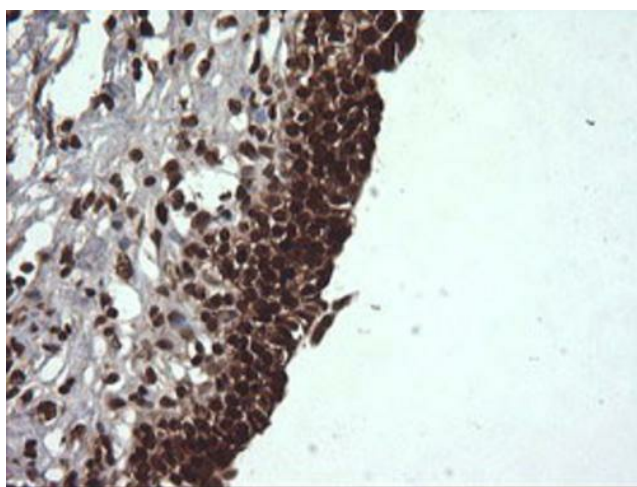
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-VHL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506222])



Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-VHL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506222])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-VHL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506222])



Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-VHL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506222])