

IHC*easy* DCAF1/VPRBP Ready-To-Use IHC Kit

Catalog Number: **KHC2022**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human, Mouse, Rat
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Rabbit Polyclonal
Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

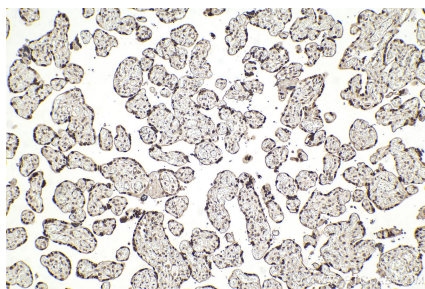
Background

VprBP was first identified as a protein that can interact with HIV-1 viral protein R. It is a component of the CUL4A-RBX1-DDB1-VprBP/DCAF1 E3 ubiquitin-protein ligase complex that could interact with HIV-1 virus Vpr protein and HIV-2 virus Vpx protein. VprBP is a 1,507-amino acid protein that contains conserved domains, including YXXY repeats, the Lis homology motif, and WD40 repeats. Through binding to Vpr, VprBP allows Vpr to modulate the catalytic activity of the CUL4-DDB1 complex, which in turn leads to the induction of G2 phase arrest in the virus-infected cells. Recently it has been reported that VprBP is able to regulate the p53-induced transcription and apoptotic pathway.

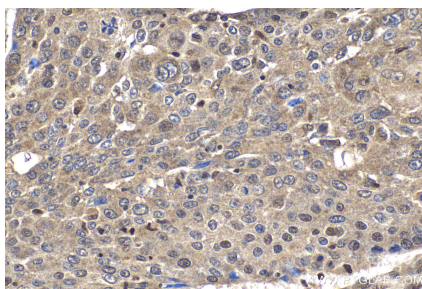
Synonyms

DCAF1, HIV 1 Vpr binding protein, KIAA0800, Protein VPRBP, RIP, Vpr (HIV 1) binding protein, Vpr interacting protein, VPRBP

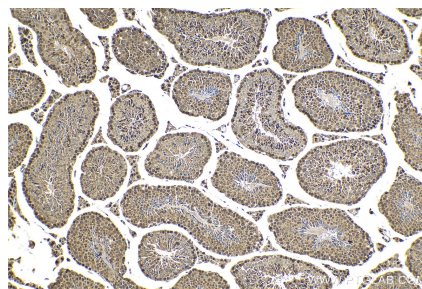
Selected Validation Data



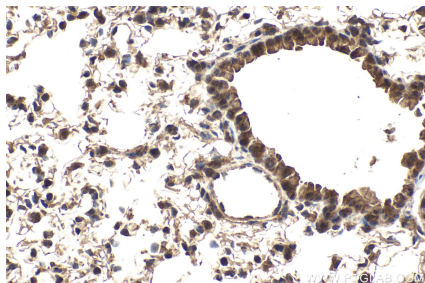
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2022 (DCAF1/VPRBP IHC Kit).



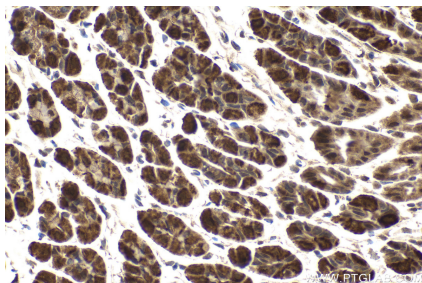
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC2022 (DCAF1/VPRBP IHC Kit).



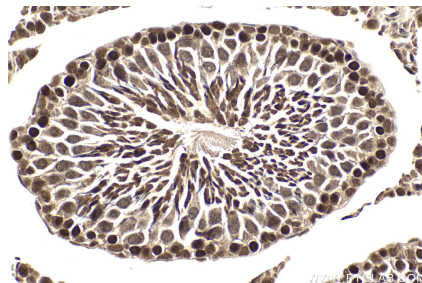
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC2022 (DCAF1/VPRBP IHC Kit).



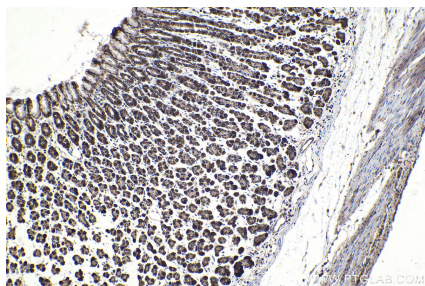
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC2022 (DCAF1/VPRBP IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC2022 (DCAF1/VPRBP IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC2022 (DCAF1/VPRBP IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC2022 (DCAF1/VPRBP IHC Kit).