

# IHC*easy* CUL3 Ready-To-Use IHC Kit

Catalog Number: **KHC1066**

## General Information

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

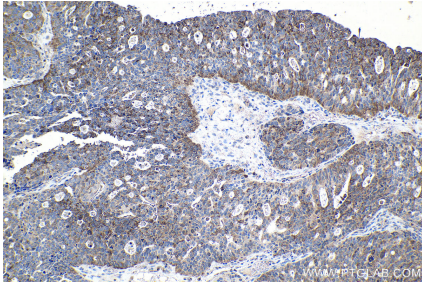
## Background

Cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ligase are the largest family of ubiquitin ligases which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. One of seven cullin proteins serves as a scaffold protein for the assembly of the multisubunit ubiquitin ligase complex. CUL3 (Cullin-3) ubiquitin ligase complex targets multiple substrate for ubiquitination including cyclin E and of cyclin D1. Defects in CUL3 are the cause of Pseudohypoaldosteronism type 2E (PHA2E) characterized by severe hypertension, hyperkalemia, hyperchloremia, hyperchloremic metabolic acidosis, and correction of physiologic abnormalities by thiazide diuretics.

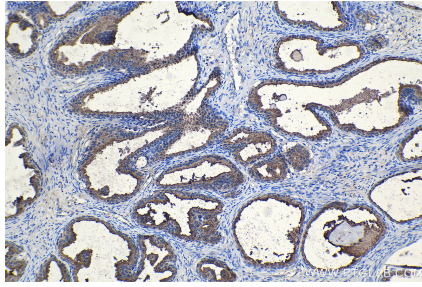
## Synonyms

CUL 3, CUL3, cullin 3, KIAA0617

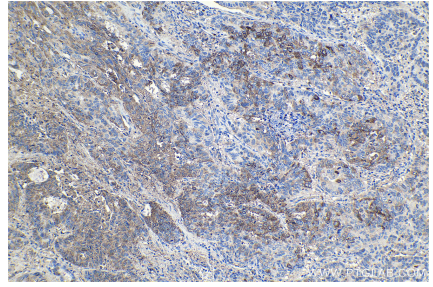
## Selected Validation Data



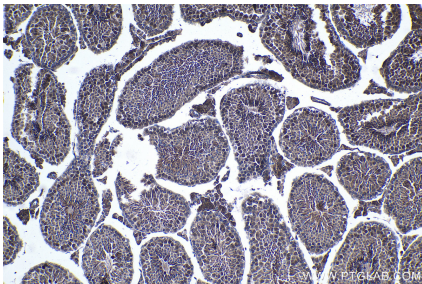
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC1066 (CUL3 IHC Kit).



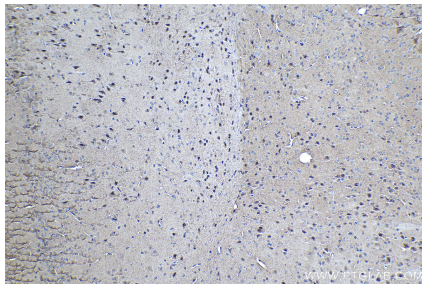
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using KHC1066 (CUL3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC1066 (CUL3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC1066 (CUL3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC1066 (CUL3 IHC Kit).