

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

Catalog Number: **KHC1479**

## 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.

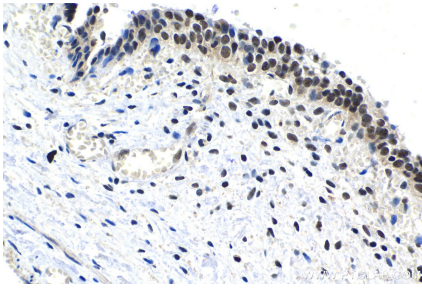
## Background

Cyclin-K (CCNK) is also named as CPR4 and belongs to the cyclin family. CCNK is a regulatory subunit of cyclin-dependent kinases that mediates activation of target kinases. It plays a role in transcriptional regulation via its role in regulating the phosphorylation of the C-terminal domain (CTD) of the large subunit of RNA polymerase II (POLR2A). The Cyclin K/Cdk12 complex maintains genomic stability via regulation of expression of DNA damage response genes.

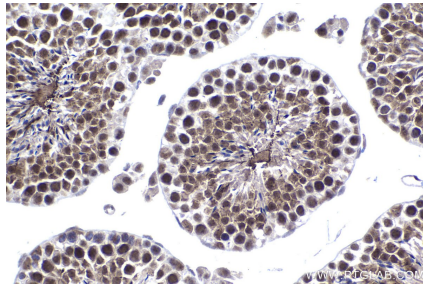
## Synonyms

CCNK, CPR4, cyclin K

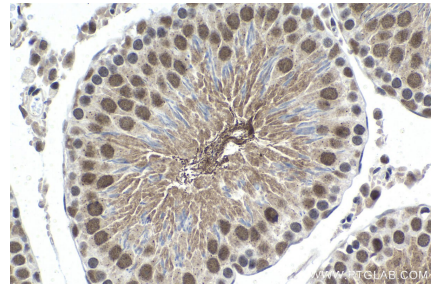
## Selected Validation Data



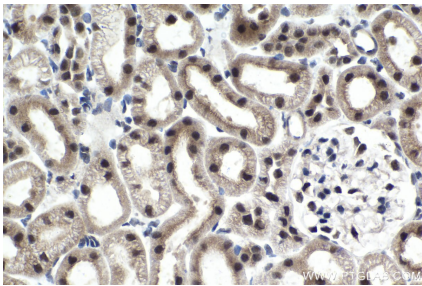
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using KHC1479 (CCNK IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC1479 (CCNK IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC1479 (CCNK IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC1479 (CCNK IHC Kit).