

IHCeasy[®] CCNJ Ready-To-Use IHC Kit

Catalog Number: **KHC3126**

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.

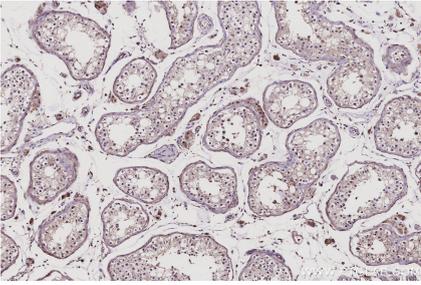
Background

CCNJ (Cyclin-J) belongs to the Cyclin family. Cyclin J is expressed in early *Drosophila* embryos, and it is essential for mediating intestinal epithelial cell recovery from bacterial pore-forming toxin attack in both *Drosophila* and mice. Upon TLR and IFN stimulation, cyclin J restrained macrophage inflammatory responses irrespective of the cell cycle control. Cyclin J interacted with CDKs and facilitated the phosphorylation of a set of CDK substrates, including FoxK1 and Drp1. Phosphorylation inhibited FoxK1-mediated expression of glycolytic genes by reducing FoxK1 nuclear localization. Cyclin J-CDK-dependent Drp1 phosphorylation also resulted in mitochondrial fission and the suppression of ROS production.

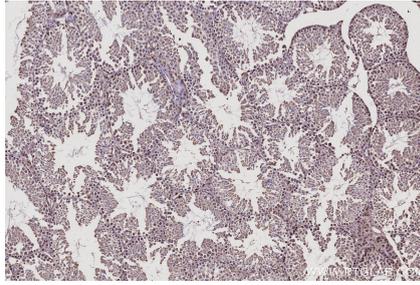
Synonyms

cyclin J, Cyclin-J

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using KHC3126 (CCNJ IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC3126 (CCNJ IHC Kit).