

IHC*easy* MCM4 Ready-To-Use IHC Kit

Catalog Number: **KHC1028**

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.

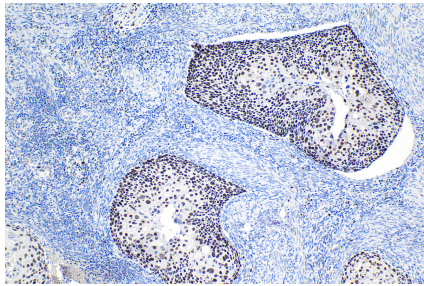
Background

DNA replication licensing factor MCM4 (MCM4), also named Cdc21, acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity.

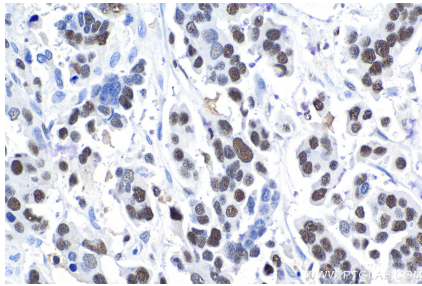
Synonyms

CDC21, CDC21 homolog, CDC54, hCdc21, MCM4, P1 CDC21

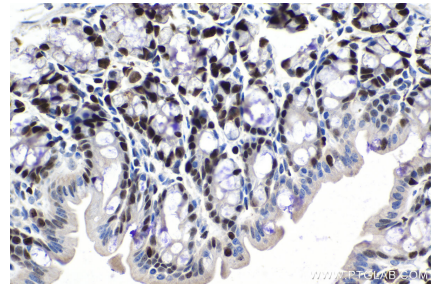
Selected Validation Data



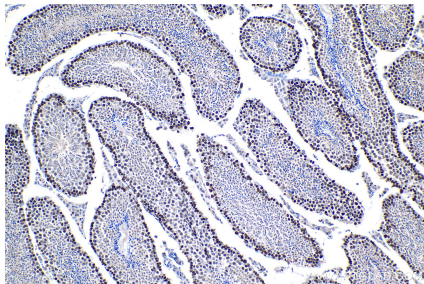
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using KHC1028 (MCM4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC1028 (MCM4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC1028 (MCM4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC1028 (MCM4 IHC Kit).