

# IHCeasy<sup>®</sup> CCNA2 Ready-To-Use IHC Kit

Catalog Number: **KHC1548**

## 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.

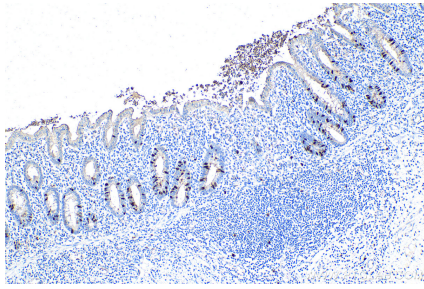
## Background

Cyclin A2 belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. In contrast to cyclin A1, which is present only in germ cells, this cyclin is expressed in all tissues tested. Cyclin A2 binds and activates CDC2 or CDK2 kinases, and thus promotes both cell cycle G1/S and G2/M transitions. Cyclin A2 could be phosphorylated during the G2/M.

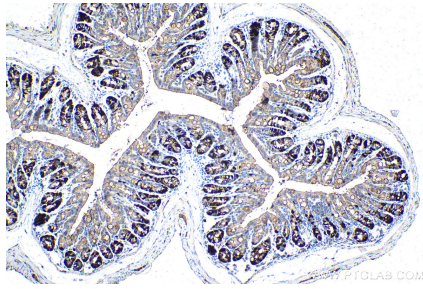
## Synonyms

CCN1, CCNA, CCNA2, Cyclin A, cyclin A2, cyclinA2

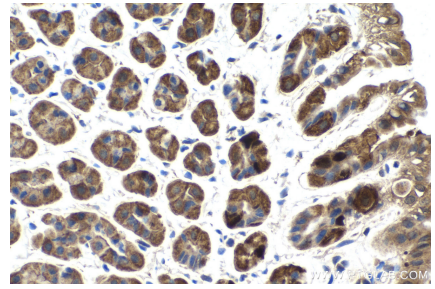
## Selected Validation Data



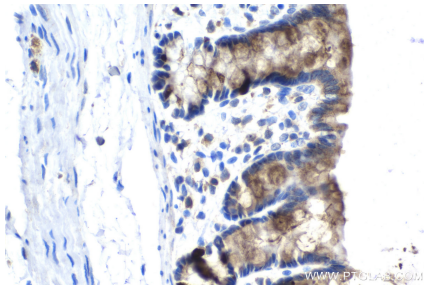
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using KHC1548 (CCNA2 IHC Kit).



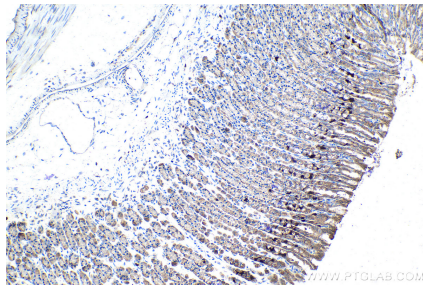
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC1548 (CCNA2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC1548 (CCNA2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC1548 (CCNA2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC1548 (CCNA2 IHC Kit).