

# IHC*easy* NCAPD2 Ready-To-Use IHC Kit

Catalog Number: **KHC2478**

## 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

NCAPD2 is a regulatory subunit of the condensin complex, which is required for conversion of interphase chromatin into mitotic-like condense chromosomes. Condensin complexes are heteropentamers comprised of two SMC (structural maintenance of chromosomes) subunits and three non-SMC subunits. The C-terminus of NCAPD2 interacts with Histones H1 and H3 through their histone tails. A loss of NCAPD2 can lead to the disorganization of chromatid axes, misalignment of sister chromatids during metaphase and delayed entry into anaphase.

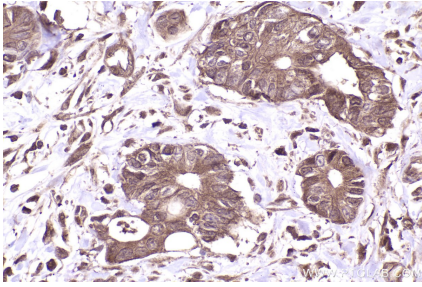
## Synonyms

NCAPD2,CAP D2,CAPD2,Chromosome condensation-relate

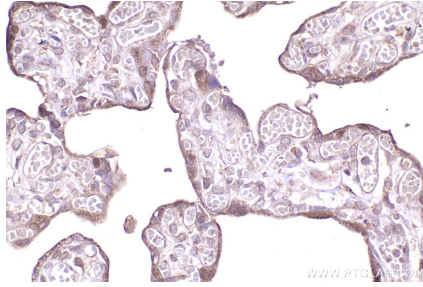
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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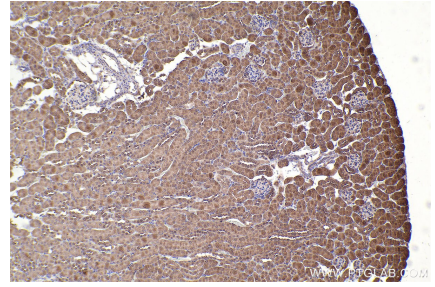
## Selected Validation Data



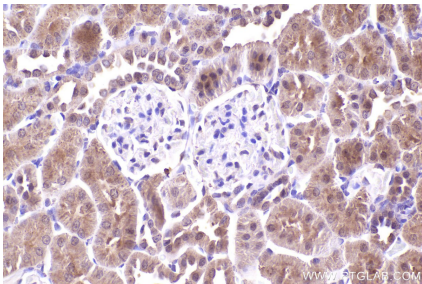
Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using KHC2478 (NCAPD2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2478 (NCAPD2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC2478 (NCAPD2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC2478 (NCAPD2 IHC Kit).