

# IHCeasy Histone H3.4 Ready-To-Use IHC Kit

Catalog Number: **KHC2506**

## 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

HIST3H3, also known as H3.1t and H3.4, is a histone H3 protein variant that bears the H3.1 variant hallmark cysteine 96 but includes three extra amino acid substitutions. H3.1t was found to be expressed in primary human spermatocytes at the pachytene stage, similar to the human testis-specific histone H1t variant, where it appears therefore to take part in the process of spermatogenesis.

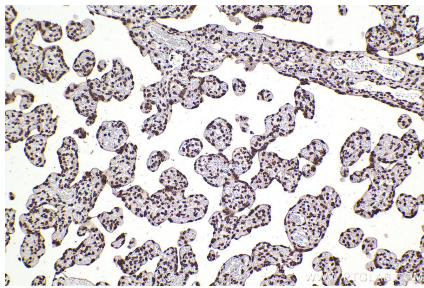
## Synonyms

HIST3H3, Histone H3.4, H3.4, H3-4, H3FT

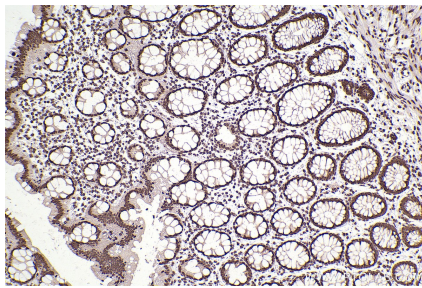
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

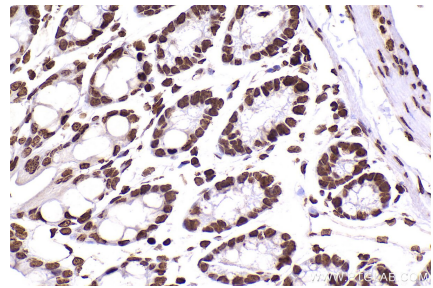
## Selected Validation Data



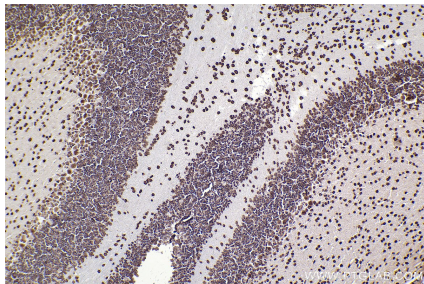
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2506 (Histone H3.4 IHC Kit).



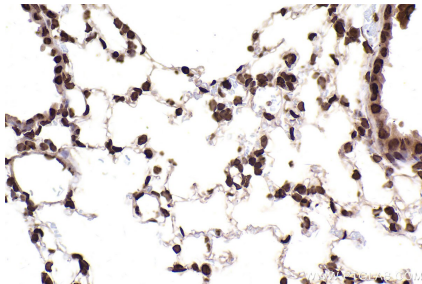
Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using KHC2506 (Histone H3.4 IHC Kit).



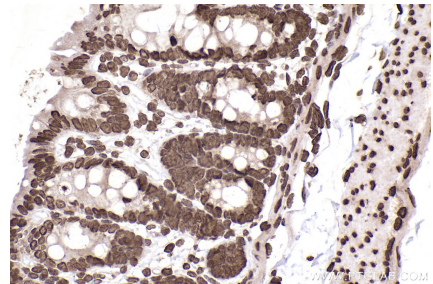
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC2506 (Histone H3.4 IHC Kit).



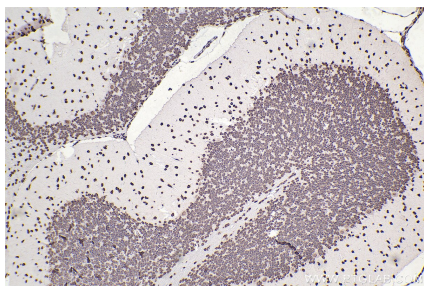
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using KHC2506 (Histone H3.4 IHC Kit).



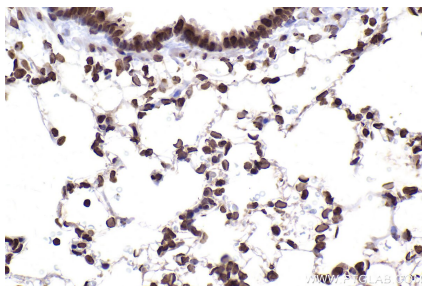
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC2506 (Histone H3.4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC2506 (Histone H3.4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue slide using KHC2506 (Histone H3.4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using KHC2506 (Histone H3.4 IHC Kit).