

# IHCeasy<sup>®</sup> Histone H1.0 Ready-To-Use IHC Kit

Catalog Number: **KHC0594**

## 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

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. Linker histones are involved in the formation of higher order structure in chromatin and the maintenance of overall chromatin compaction. The H1F0 histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division. Histone H1.0 (H1F0, H1FV) is a linker histone that is widely expressed in many tissues and almost all vertebrates, unlike some other linker histones.

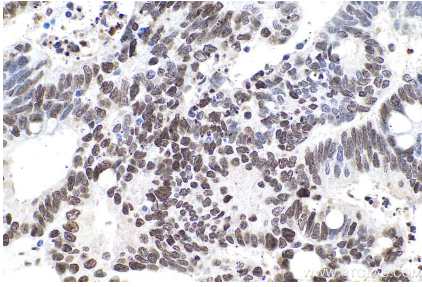
## Synonyms

H1 histone family, member 0, H10, H1F0, H1FV, histone, Histone H1, Histone H1(0), Histone H1.0

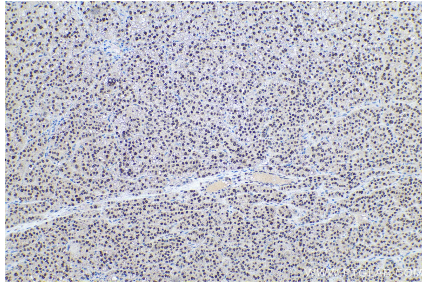
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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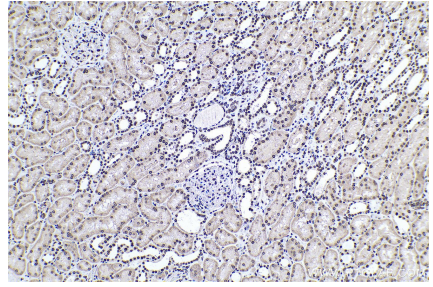
## Selected Validation Data



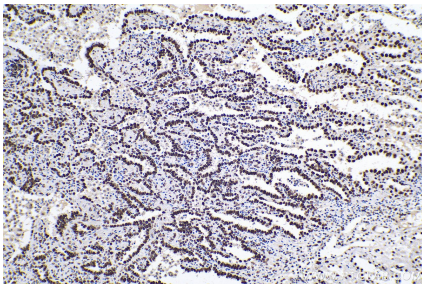
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0594 (Histone H1.0 IHC Kit).



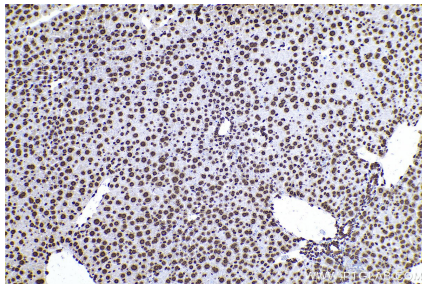
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0594 (Histone H1.0 IHC Kit).



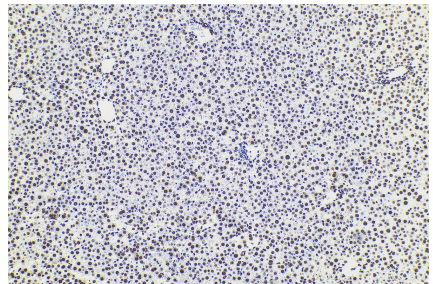
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC0594 (Histone H1.0 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0594 (Histone H1.0 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC0594 (Histone H1.0 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using KHC0594 (Histone H1.0 IHC Kit).