

# IHC*easy* RPS14 Ready-To-Use IHC Kit

Catalog Number: **KHC0595**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Mouse Monoclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Mouse

## 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.

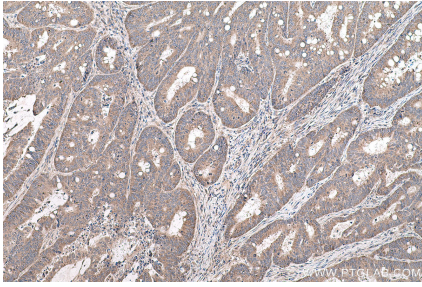
## Background

The mammalian ribosome consists of 4 RNA species and approximately 80 different proteins. The ribosomal proteins are encoded by complex gene families that include at least 1 active intron-containing gene and multiple processed pseudogenes. The RPS14 gene, encoding a ribosomal protein that belongs to the 40S ribosome, and mapping to the commonly deleted region (CDR) of the 5q- syndrome, shows haploinsufficiency in the CD34+ cells of patients with this disorder.

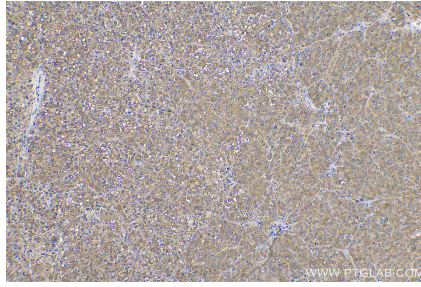
## Synonyms

40S ribosomal protein S14, EMTB, ribosomal protein S14, RPS14

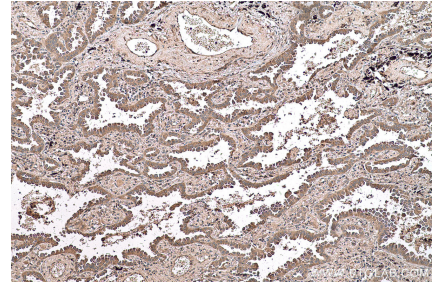
## Selected Validation Data



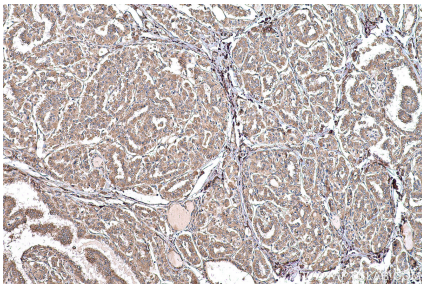
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0595 (RPS14 IHC Kit).



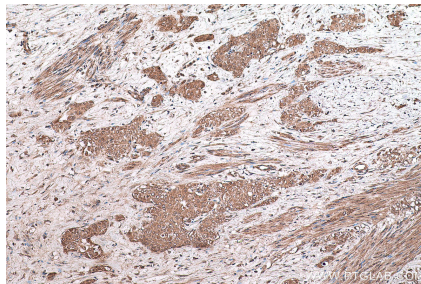
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0595 (RPS14 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0595 (RPS14 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC0595 (RPS14 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using KHC0595 (RPS14 IHC Kit).