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Antibodies | ELISA kits | Proteins

IHC*easy*® RPL23 Ready-To-Use IHC Kit

Catalog Number: KHC0639

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human

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

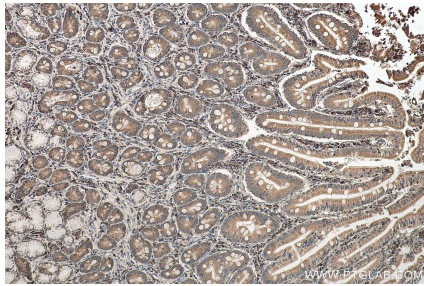All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

Background

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. RPL23 is a component of the 60 S large ribosomal subunit that interacts functionally with murine double minute 2 protein (MDM2 or HDM2 in humans). Upon binding to MDM2, RPL23 inhibits MDM2-mediated p53 degradation, thus activating p53 and inducing cellular apoptosi. Intriguingly, RPL23 has also been suggested to be a negative regulator of apoptosis by suppressing the Miz1-induced transcription of the cell cycle inhibitors p15INK4B and p21CIP1.
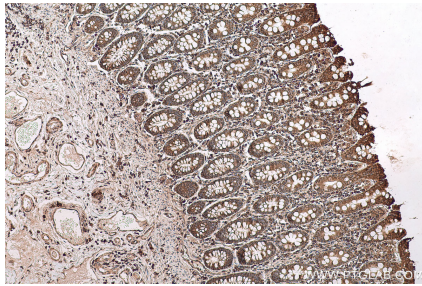
Synonyms

60S ribosomal protein L17, 60S ribosomal protein L23, ribosomal protein L23, rpL17, RPL23
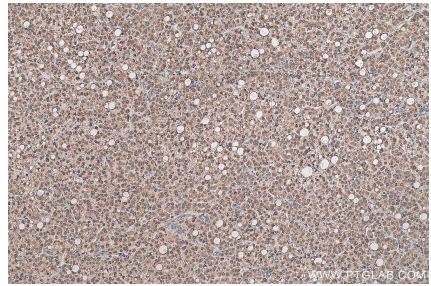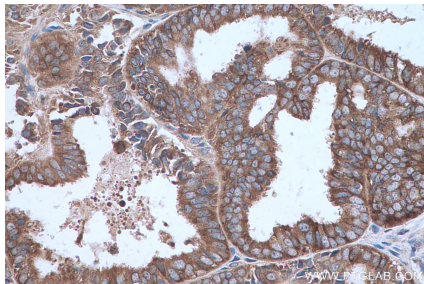
Selected Validation Data

Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC0639 (RPL23 IHC Kit).

Immunohistochemical analysis of paraffin-embedded human colon tissue slide using KHC0639 (RPL23 IHC Kit).

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0639 (RPL23 IHC Kit).

Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC0639 (RPL23 IHC Kit).