

IHC*easy* PPP1CA Ready-To-Use IHC Kit

Catalog Number: **KHC2035**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human, Mouse, Rat
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.

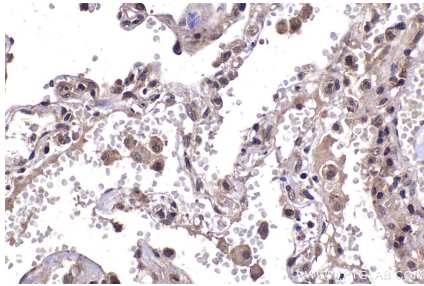
Background

Protein phosphatase associates with over 200 regulatory proteins to form highly specific holoenzymes which dephosphorylate hundreds of biological targets. Type 1 protein phosphatase (PP1), a serine/threonine phosphatase, is essential for cell division and participates in the regulation of glycogen metabolism, muscle contractility, and protein synthesis. Four isoforms of PP1 have been characterized: PP1 α , PP1 δ , PP1 γ 1 and PP1 γ 2. It has been illustrated that PP1 dephosphorylates Rb and cdc25 during mitosis. A cell cycle-dependent phosphorylation at Thr320 of PP1 α by cdc2 kinase inhibits PP1 α activity.

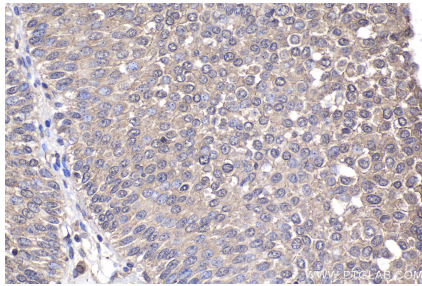
Synonyms

Serine/threonine-protein phosphatase PP1-alpha catalytic subunit, PPP1A, PP-1A, PP 1A, EC:3.1.3.16

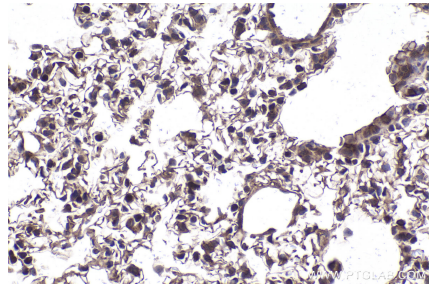
Selected Validation Data



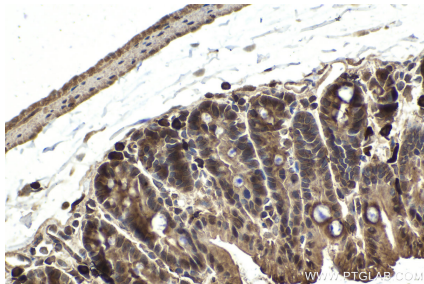
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using KHC2035 (PPP1CA IHC Kit).



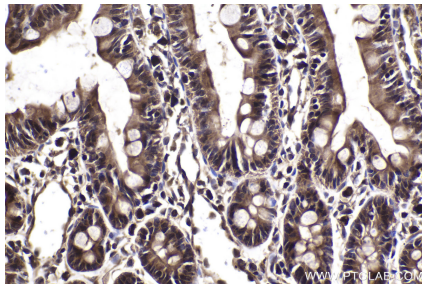
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using KHC2035 (PPP1CA IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC2035 (PPP1CA IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse intestine tissue slide using KHC2035 (PPP1CA IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using KHC2035 (PPP1CA IHC Kit).