

# IHCeasy<sup>®</sup> PPM1A Ready-To-Use IHC Kit

Catalog Number: **KHC1586**

## 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.

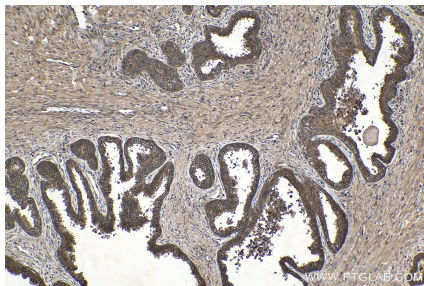
## Background

PPM1A (Protein phosphatase 1A) is also named as PPPM1A and belongs to the PP2C family. It is a serine/threonine protein phosphatase that is essential for regulating cellular stress responses in eukaryotes. PPM1A plays an important role in tumor suppression and that it negatively controls many signaling pathways which are critical for trophoblast invasion. This protein distributes in both the cytoplasm and nucleus of mammalian cells.

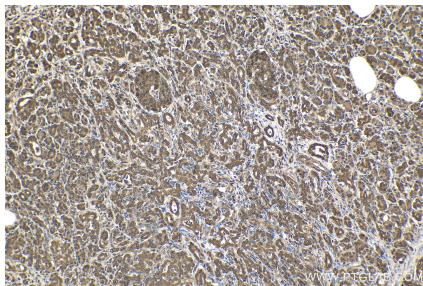
## Synonyms

PP2C ALPHA, PP2CA, PPM1A, PPPM1A, Protein phosphatase 1A, Protein phosphatase 1A

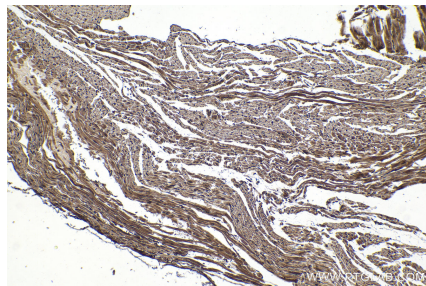
## Selected Validation Data



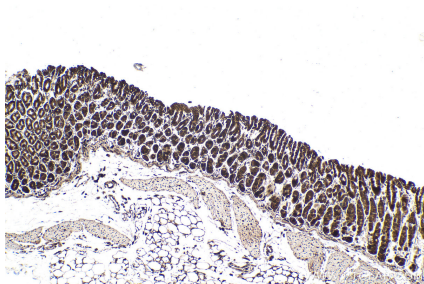
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using KHC1586 (PPM1A IHC Kit).



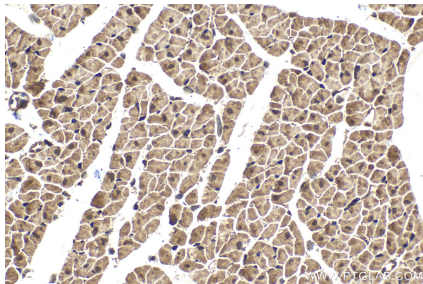
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC1586 (PPM1A IHC Kit).



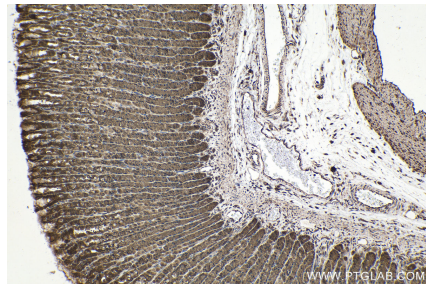
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC1586 (PPM1A IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC1586 (PPM1A IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC1586 (PPM1A IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC1586 (PPM1A IHC Kit).