

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

Catalog Number: **KHC1539**

## 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.

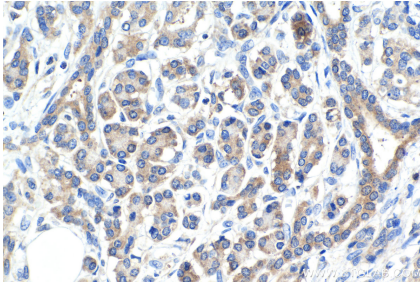
## Background

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC family members also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play a distinct role in cells. PRKCA is one of the PKC family members. This kinase has been reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. Knockout studies in mice suggest that this kinase may be a fundamental regulator of cardiac contractility and Ca(2+) handling in myocytes.

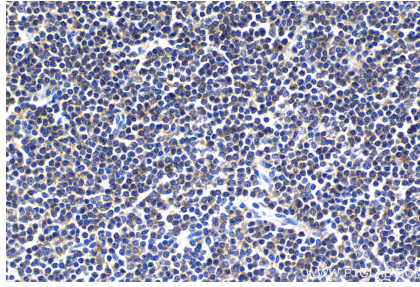
## Synonyms

AAG6, PKC A, PKC alpha, PKCA, PKC  $\alpha$ , PRKACA, PRKCA, Protein kinase C alpha type, protein kinase C, alpha

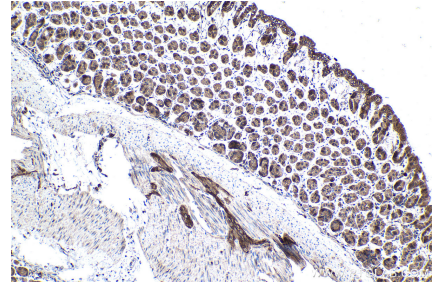
## Selected Validation Data



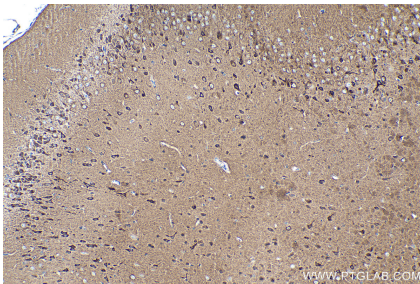
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC1539 (PRKCA IHC Kit).



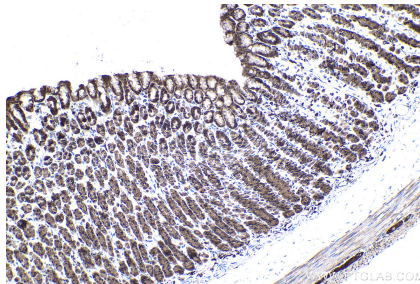
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using KHC1539 (PRKCA IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC1539 (PRKCA IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC1539 (PRKCA IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC1539 (PRKCA IHC Kit).