

# IHCeasy<sup>®</sup> HDAC1 Ready-To-Use IHC Kit

Catalog Number: **KHC0613**

## 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.

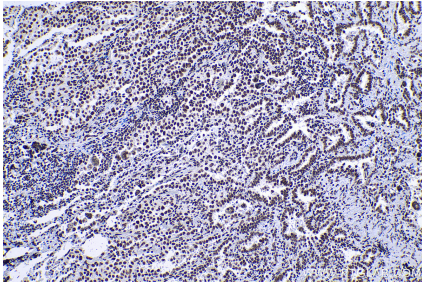
## Background

Histone deacetylases (HDAC) are a class of enzymes that remove the acetyl groups from the lysine residues leading to the formation of a condensed and transcriptionally silenced chromatin. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex, which is responsible for gene expression silencing. It also plays an important role in the control of cell proliferation and differentiation by interacting with RB, p53 and other transcription factors. At least 4 classes of HDAC were identified. As a class I HDAC, HDAC 1 was primarily found in the nucleus.

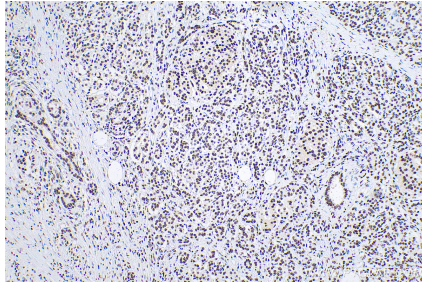
## Synonyms

GON 10, HD1, HDAC, HDAC1, histone deacetylase 1, RPD3, RPD3L1

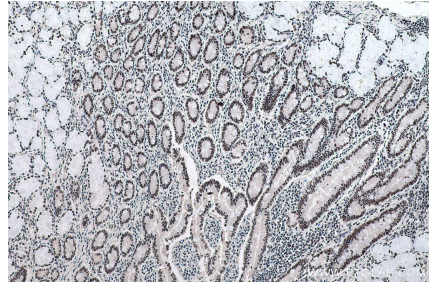
## Selected Validation Data



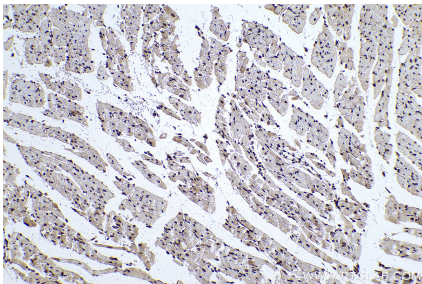
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0613 (HDAC1 IHC Kit).



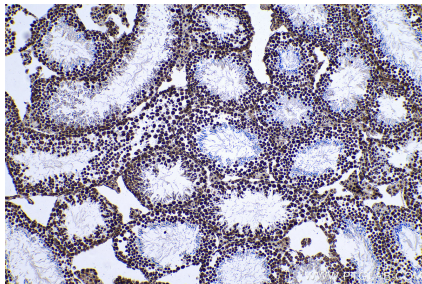
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC0613 (HDAC1 IHC Kit).



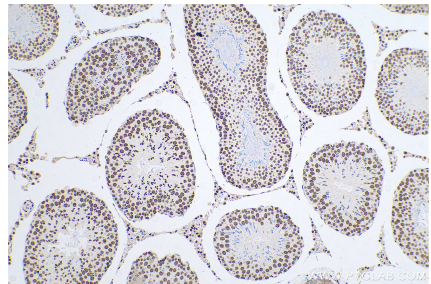
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC0613 (HDAC1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC0613 (HDAC1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC0613 (HDAC1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC0613 (HDAC1 IHC Kit).