

# IHC*easy* VDAC1 Ready-To-Use IHC Kit

Catalog Number: **KHC0588**

## 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.

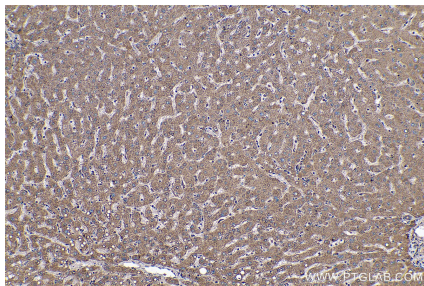
## Background

VDAC1, also named as VDAC, porin 31HM, porin 31HL and plasmalemmal porin, belongs to the eukaryotic mitochondrial porin family. It adopts an open conformation at low or zero membrane potential and a closed conformation at potentials above 30-40 mV, to form a channel through the mitochondrial outer membrane and also the plasma membrane. Unlike other membrane transport proteins, porins are large enough to allow passive diffusion. Studies have shown that VDAC1 is subject to both phosphorylation and acetylation.

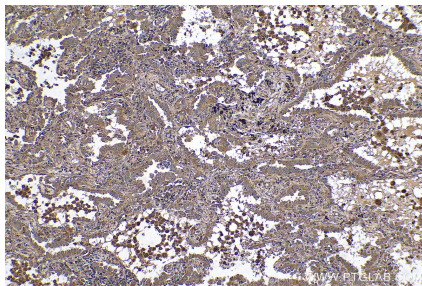
## Synonyms

hVDAC1, Plasmalemmal porin, Porin, PORIN 31 HL, Porin 31HL, Porin 31HM, VDAC, VDAC 1, VDAC1, VDAC2

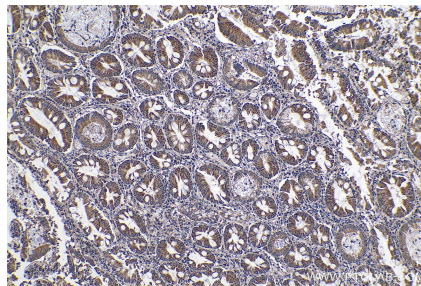
## Selected Validation Data



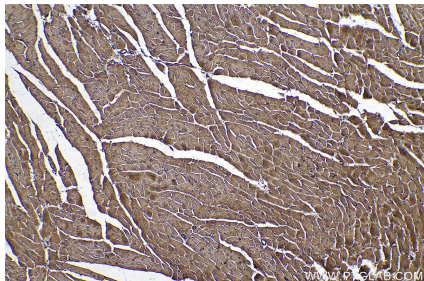
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using KHC0588 (VDAC1/2 IHC Kit).



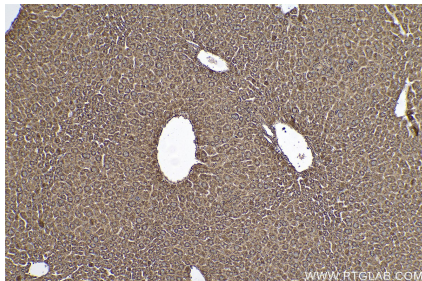
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0588 (VDAC1/2 IHC Kit).



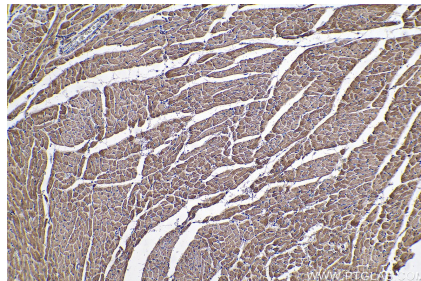
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC0588 (VDAC1/2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC0588 (VDAC1/2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC0588 (VDAC1/2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC0588 (VDAC1/2 IHC Kit).