

# IHCeasy® NPC2 Ready-To-Use IHC Kit

Catalog Number: **KHC3237**

## General Information

Sample type: FFPE tissue	Assay type: Immunohistochemistry
Cited sample type:	Primary antibody type:
Reactivity: Human, Mouse, Rat	Rabbit Recombinant
Cited Reactivity:	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.

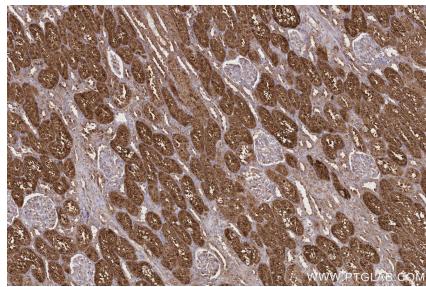
## Background

Niemann-Pick Type C (NPC) disease is a lysosomal storage disorder characterized by accumulation of unesterified cholesterol and other lipids in the endolysosomal system. NPC disease results from a defect in either of two distinct cholesterol-binding proteins: a transmembrane protein, NPC1, and a small soluble protein, NPC2. NPC1 or NPC2 deficiency models showed that the function of these two proteins within lysosomes are linked closely. NPC2 is also named human epididymis-specific protein 1 (HE1), defects of which are the cause of Niemann-Pick disease type C2, characterized as a lysosomal storage disorder that affects the viscera and the central nervous system. Recent finding suggests that NPC2 may serve as a novel intracrine/autocrine factor that controls adipocyte differentiation and function as well as potential therapeutic target for the treatment of type 2 diabetes and related metabolic disorders.

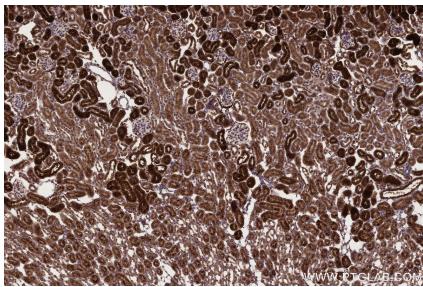
## Synonyms

He1, Human epididymis-specific protein 1, Niemann-Pick disease type C2 protein

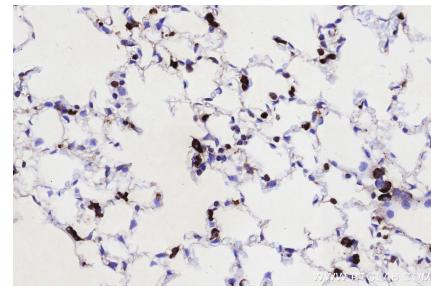
## Selected Validation Data



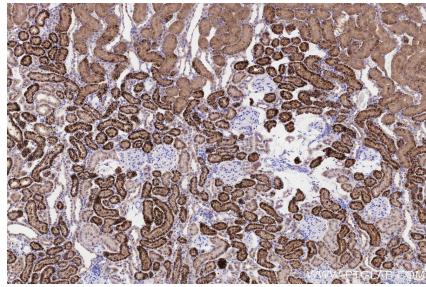
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC3237 (NPC2 IHC Kit).



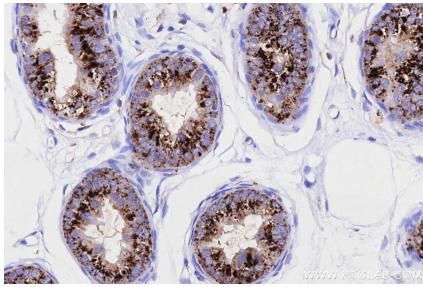
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC3237 (NPC2 IHC Kit).



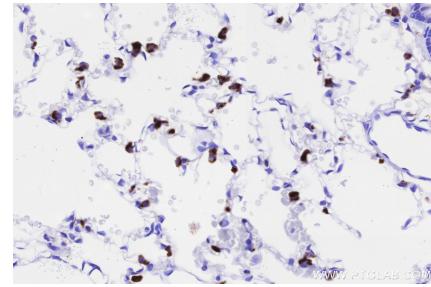
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC3237 (NPC2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC3237 (NPC2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat epididymis tissue slide using KHC3237 (NPC2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using KHC3237 (NPC2 IHC Kit).