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Antibodies | ELISA kits | Proteins

For Research Use Only

# IHC*easy*® NPC2 Ready-To-Use IHC Kit

## Catalog Number: KHC3237

## General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Rabbit Recombinant

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

For technical support and original validation data for this product please contact:
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## Selected Validation Data