

# IHC*easy* PER3 Ready-To-Use IHC Kit

Catalog Number: **KHC2331**

## 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.

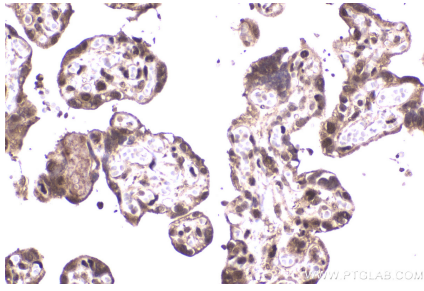
## Background

The suprachiasmatic nuclei (SCN) of the anterior hypothalamus function as a circadian clock in the mammalian brain, generating circadian rhythms in physiology and behavior. The period homolog genes *Per3* is an important component of the circadian clock system. *PER3* plays a role in cell proliferation, apoptosis, DNA damage response, cell cycle control, and treatment response of chemotherapy agents in cancers.

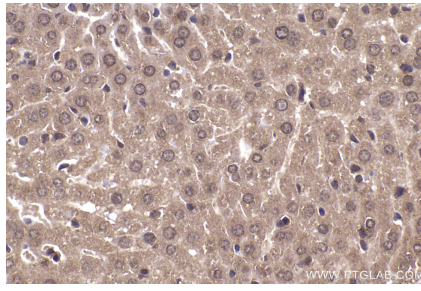
## Synonyms

period homolog 3 (Drosophila), hPER3, GIG13, Cell growth-inhibiting gene 13 protein

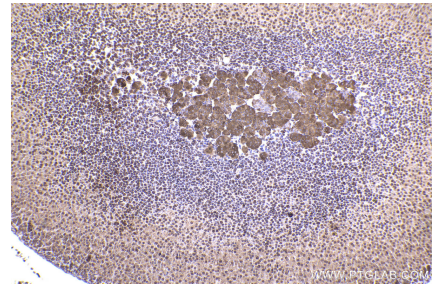
## Selected Validation Data



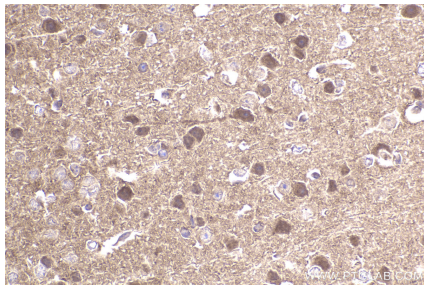
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2331 (PER3 IHC Kit).



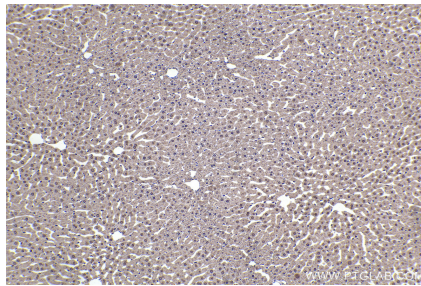
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC2331 (PER3 IHC Kit).



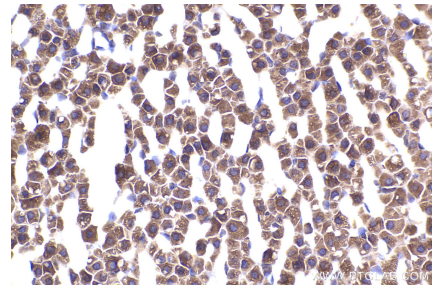
Immunohistochemical analysis of paraffin-embedded mouse adrenal gland tissue slide using KHC2331 (PER3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC2331 (PER3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using KHC2331 (PER3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue slide using KHC2331 (PER3 IHC Kit).