IHC*easy* CPT1C Ready-To-Use IHC Kit

Catalog Number: KHC0333

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

CPT1C, also named as CATL1, CPTI-B and B-CPTI, belongs to the carnitine/choline acetyltransferase family. Carnitine palmitoyltransferase (CPT) deficiencies are common disorders of mitochondrial fatty acid oxidation. The CPT system is made up of two separate proteins located in the outer (CPT1) and inner (CPT2) mitochondrial membranes. CPT1C is an active forms of related brain-type carnitine palmitoyltransferase I. CPT1C may be a regulated target of malonyl-CoA that relays the "malonyl-CoA signal" in hypothalamic neurons that express the orexigenic and anorexigenic neuropeptides that regulate food intake and peripheral energy expenditure.
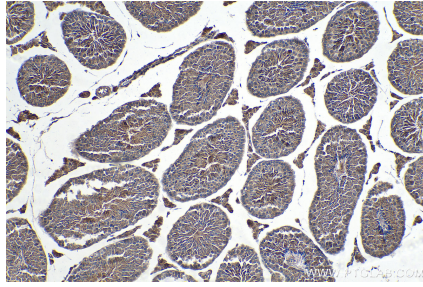
Synonyms

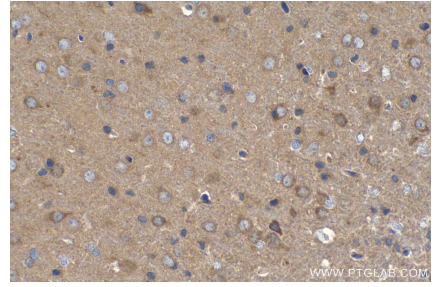CATL1, CPT IC, CPT1 B, CPT1C, CPT1P, CPTI B, CPTIC
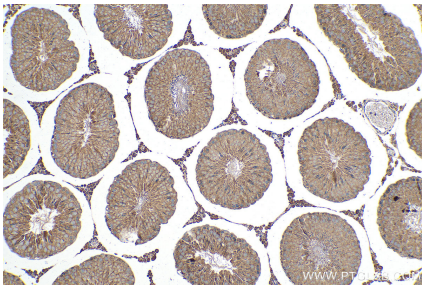
Selected Validation Data
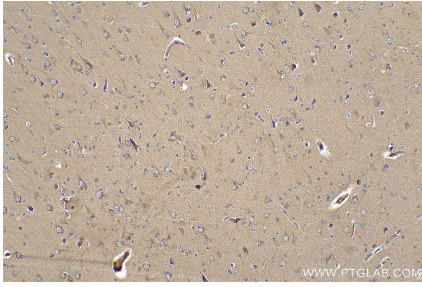
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using KHC0333 (CPT1C IHC Kit).

Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC0333 (CPT1C IHC Kit).

Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC0333 (CPT1C IHC Kit).

Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC0333 (CPT1C IHC Kit).