

IHC*easy* SLC16A1/MCT1 Ready-To-Use IHC Kit

Catalog Number: **KHC2321**

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.

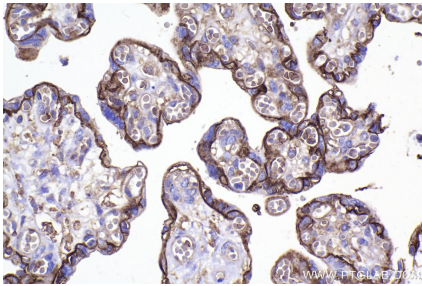
Background

MCT1, the SLC16A1 gene product, is a trans-membrane symporter involved in lactate and pyruvate transportation. It plays an important role in lactic acid transport and H⁺ clearance in cancer cells. MCT overexpression had been observed in various cancers and may play an important role in tumorigenesis.

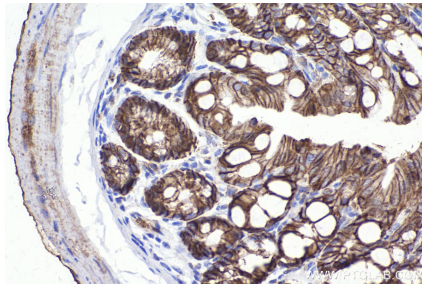
Synonyms

MCT1, SLC16A1, Monocarboxylate transporter 1, MCT 1, MCT

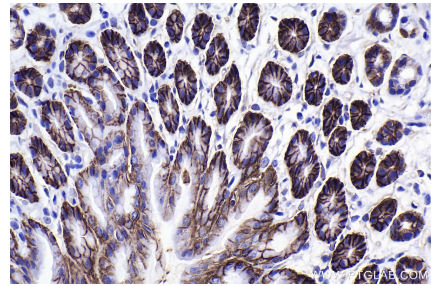
Selected Validation Data



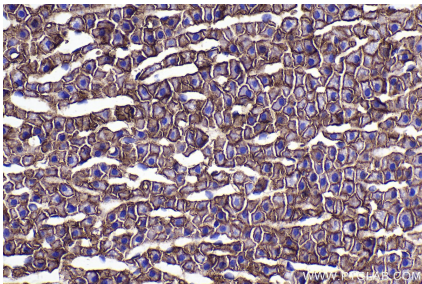
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2321 (SLC16A1/MCT1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC2321 (SLC16A1/MCT1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC2321 (SLC16A1/MCT1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue slide using KHC2321 (SLC16A1/MCT1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC2321 (SLC16A1/MCT1 IHC Kit).