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IHC*easy* MCT4 Ready-To-Use IHC Kit

Catalog Number: KHC0133

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.

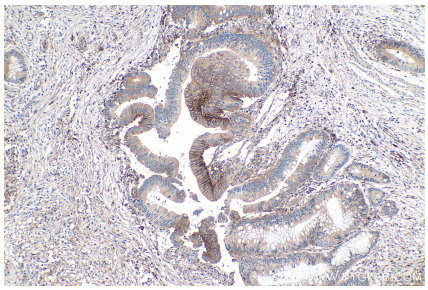
Background

The monocarboxylate transporter 4 (MCT4, also known as SLC16A3) is involved in the transportation of metabolically important monocarboxylates such as lactate, pyruvate, acetate and ketone bodies. It is widely expressed, particularly strongly in glycolytic tissues such as white skeletal muscle fibres, astrocytes, white blood cells, chondrocytes and some mammalian cell lines. MCT4 is also linked to tumor biology because it mediates lactate transport across membranes resulting in antiapoptotic effects.

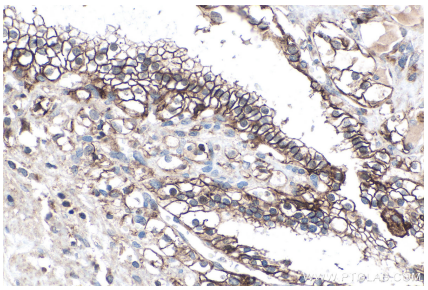
Synonyms

MCT 4, MCT4, Monocarboxylate transporter 3, Monocarboxylate transporter 4, SLC16A3

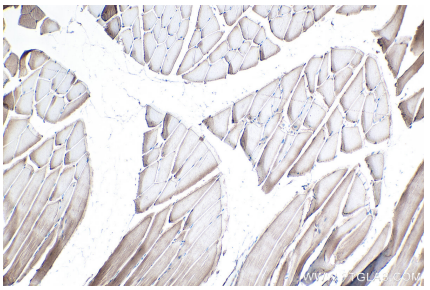
Selected Validation Data



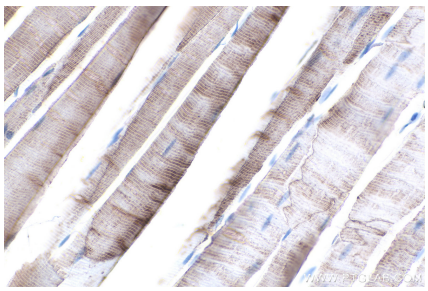
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0133 (MCT4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using KHC0133 (MCT4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using KHC0133 (MCT4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using KHC0133 (MCT4 IHC Kit).