

IHCeasy[®] CKMT2 Ready-To-Use IHC Kit

Catalog Number: **KHC3192**

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.

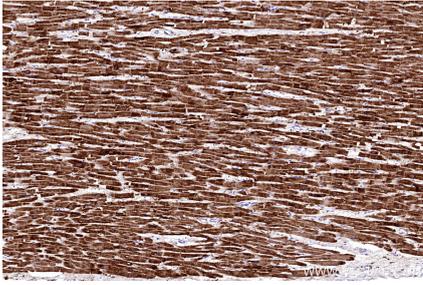
Background

CKMT2 (Creatine kinase S-type, mitochondrial), also known as s-MtCK, is one of the creatine kinase (CK) isozymes that are tightly coupled to adenosine triphosphate (ATP) output via adenine nucleotide transport proteins or carriers, making it an important player in ATP synthesis and respiratory chain activity. Enhancing Ckmt2 expression or activity can protect against myocardial injury caused by ischemia-reperfusion injury.

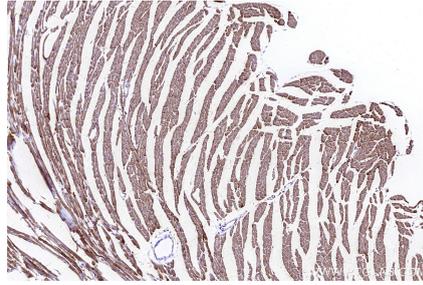
Synonyms

Basic-type mitochondrial creatine kinase, CKMT 2, Creatine kinase S-type, mitochondrial, EC:2.7.3.2, Mib CK

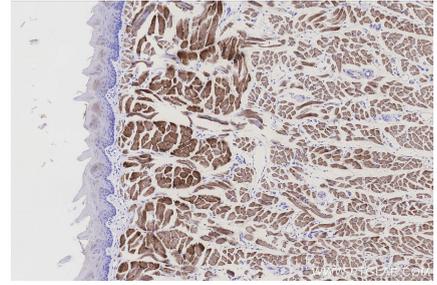
Selected Validation Data



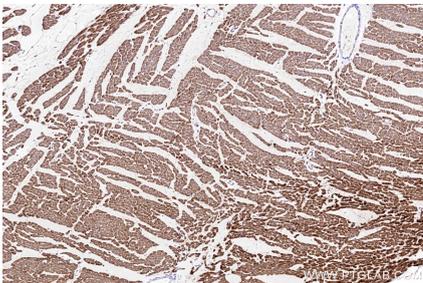
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using KHC3192 (CKMT2 IHC Kit).



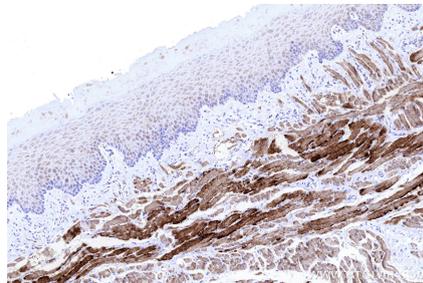
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC3192 (CKMT2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse tongue tissue slide using KHC3192 (CKMT2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC3192 (CKMT2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat tongue tissue slide using KHC3192 (CKMT2 IHC Kit).