

# IHCeasy<sup>®</sup> CKMT1A Ready-To-Use IHC Kit

Catalog Number: **KHC3181**

## 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.

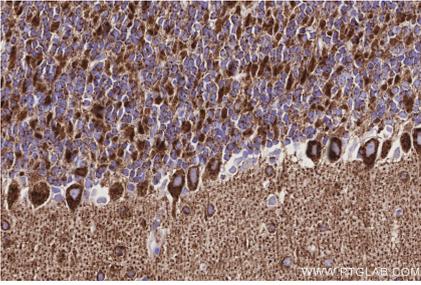
## Background

CKMT1A(Creatine kinase U-type, mitochondrial) is also named CKMT and belongs to the ATP:guanido phosphotransferase family. CKMT1A is a nearly identical copy of the CKMT1B gene. Both genes encode an identical CKMT1 protein. It reversibly catalyzes the transfer of phosphate between ATP and various phosphates.

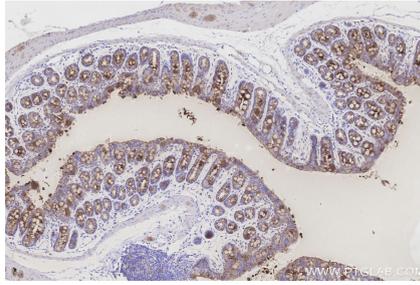
## Synonyms

Acidic-type mitochondrial creatine kinase, CKMiMi, CKMT, CKMT1, CKMT1B

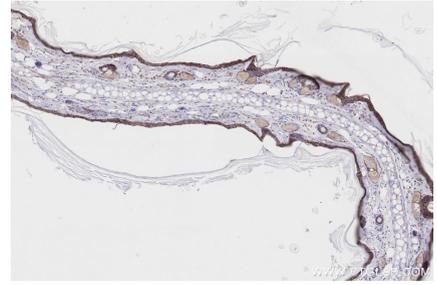
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using KHC3181 (CKMT1A IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC3181 (CKMT1A IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using KHC3181 (CKMT1A IHC Kit).