

Datasheet for ABIN7236621

anti-CKMT2 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	CKMT2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CKMT2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein of human CKMT2
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	CKMT2
Alternative Name:	CKMT2 (CKMT2 Products)
Background:	Mitochondrial creatine kinase (MtCK) is responsible for the transfer of high energy phosphate from mitochondria to the cytosolic carrier, creatine. It belongs to the creatine kinase isoenzyme family. It exists as two isoenzymes, sarcomeric MtCK and ubiquitous MtCK, encoded by separate genes. Mitochondrial creatine kinase occurs in two different oligomeric forms: dimers

Target Details

and octamers, in contrast to the exclusively dimeric cytosolic creatine kinase isoenzymes. Sarcomeric mitochondrial creatine kinase has 80 % homology with the coding exons of ubiquitous mitochondrial creatine kinase. This gene contains sequences homologous to several motifs that are shared among some nuclear genes encoding mitochondrial proteins and thus may be essential for the coordinated activation of these genes during mitochondrial biogenesis. Three transcript variants encoding the same protein have been found for this gene.

Molecular Weight: 48 kDa

UniProt: [P17540](#)

Application Details

Application Notes: WB 1:500-1:2000, IHC 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.4 mg/mL

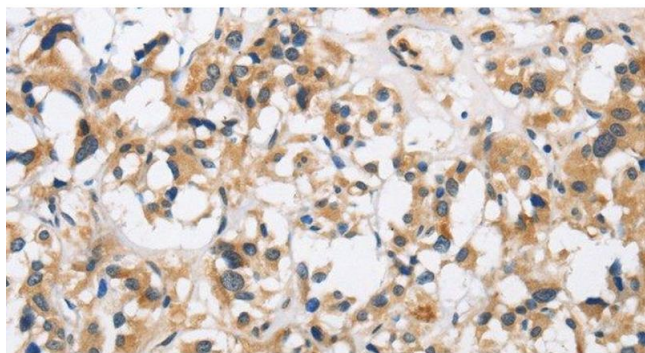
Buffer: PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

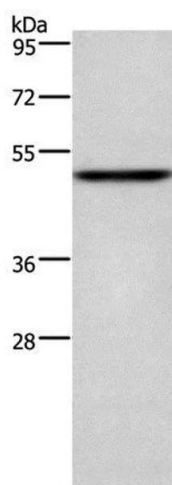
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



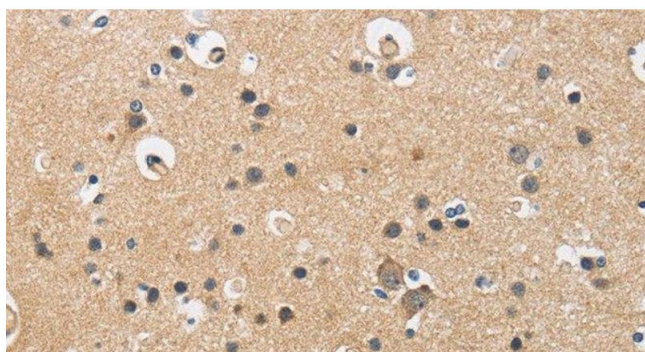
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human thyroid cancer using CKMT2 Polyclonal Antibody at dilution of 1:60



Western Blotting

Image 2. Western Blot analysis of Mouse heart tissue using CKMT2 Polyclonal Antibody at dilution of 1:700



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human brain using CKMT2 Polyclonal Antibody at dilution of 1:60