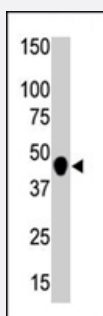


CKMT2 polyclonal antibody

Catalog # PAB4616

Size 400 uL

Applications



Western Blot (Tissue lysate)

The CKMT2 polyclonal antibody (Cat # PAB4616) is used in Western blot to detect CKMT2 in mouse heart tissue lysate .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CKMT2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CKMT2.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The CKMT2 polyclonal antibody (Cat # PAB4616) is used in Western blot to detect CKMT2 in mouse heart tissue lysate .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CKMT2

Entrez GeneID [1160](#)

Protein Accession# [P17540](#)

Gene Name CKMT2

Gene Alias SMTCK

Gene Description creatine kinase, mitochondrial 2 (sarcomeric)

Omim ID [123295](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 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. [provided by RefSeq]

Other Designations OTTHUMP00000147542|basic-type mitochondrial creatine kinase|sarcomeric mitochondrial creatine kinase

Pathway

- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)