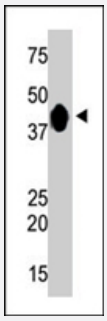
CKMT2 polyclonal antibody

Catalog # PAB4617 Size 400 uL

Applications



Western Blot (Tissue lysate)

The CKMT2 polyclonal antibody (Cat # PAB4617) is used in Western blot to detect CKMT2 in mouse muscle tissue lysate .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CKMT2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-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 shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- 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 fro m mitochondria to the cytosolic carrier, creatine. It belongs to the creatine kinase isoenzyme famil y. It exists as two isoenzymes, sarcomeric MtCK and ubiquitous MtCK, encoded by separate gen es. Mitochondrial creatine kinase occurs in two different oligomeric forms: dimers and octamers, i n contrast to the exclusively dimeric cytosolic creatine kinase isoenzymes. Sarcomeric mitochond rial 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 som e nuclear genes encoding mitochondrial proteins and thus may be essential for the coordinated a ctivation of these genes during mitochondrial biogenesis. Three transcript variants encoding the s ame protein have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000147542|basic-type mitochondrial creatine kinase|sarcomeric mitochondrial crea tine kinase

Pathway

- Arginine and proline metabolism
- Metabolic pathways