

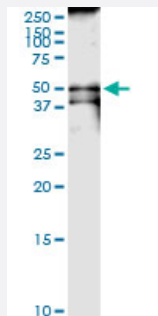
MaxPab®

CKMT1B MaxPab rabbit polyclonal antibody (D01)

Catalog # H00001159-D01

Size 100 uL

Applications



Immunoprecipitation

Immunoprecipitation of CKMT1B transfected lysate using anti-CKMT1B MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CKMT1B MaxPab mouse polyclonal antibody (B01) ([H00001159-B01](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CKMT1B protein.
Immunogen	CKMT1B (NP_066270.1, 1 a.a. ~ 417 a.a) full-length human protein.
Sequence	MAGPFSRLLSARPGRLRLALAGAGSLAAGFLLRPEPVRAASERRRLYPSSAEYPDLRKHNNCMA SHLTPAVYARLCDKTTPTGWTLDDQCIQTGVDNPGHPFIKTVGMVAGDEETYEVFADLFDPVIQER HNGYDPRTMKHTTDLDAKIRSGYFDERYVLSSRVRTGRSIRGLSLPPACTRAERREVERVVDA LSGLKGDLAGRYRLSEMTEAEQQQLIDHFLFDKPVSPLLTAAGMARDWPDARGMWHNNEKSF LIWVNEEDHTRVISMEKGGNMKRVFERFCRGLKEVERLIQERGWEFMWNERLGYILTCPSNLGTG LRAGVHIKLPLLSKDSRFPKILENLRLQKRGTGGVDTAATGGVFDISNLDRLGKSEVELVQLVIDGV NYLIDCERRLERGQDIRIPTVHTKH
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — CKMT1B

Entrez GeneID [1159](#)

GeneBank Accession# [NM_020990](#)

Protein Accession# [NP_066270.1](#)

Gene Name CKMT1B

Gene Alias CKMT, CKMT1, UMTCK

Gene Description creatine kinase, mitochondrial 1B

Omim ID [123290](#)

Gene Ontology [Hyperlink](#)

Gene Summary Mitochondrial creatine (MtCK) kinase 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. Many malignant cancers with poor prognosis have shown overexpression of ubiquitous mitochondrial creatine kinase; this may be related to high energy turnover and failure to eliminate cancer cells via apoptosis. Ubiquitous mitochondrial creatine kinase has 80% homology with the coding exons of sarcomeric mitochondrial creatine kinase. Two genes located near each other on chromosome 15 have been identified which encode identical mitochondrial creatine kinase proteins. [provided by RefSeq]

Other Designations OTTHUMP00000066275|acidic-type mitochondrial creatine kinase|creatine kinase, mitochondrial 1 (ubiquitous)|ubiquitous mitochondrial creatine kinase

Pathway

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