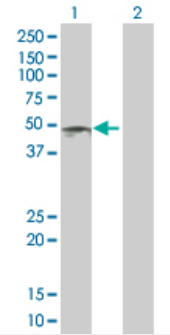
MaxPab®

CKMT1B MaxPab mouse polyclonal antibody (B01)

Catalog # H00001159-B01 Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CKMT1B expression in transfected 293T cell line (H00001159-T01) by CKMT1B MaxPab polyclonal antibody.

Lane 1: CKMT1B transfected lysate(45.87 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CKMT1B protein.
Immunogen	CKMT1B (NP_066270, 1 a.a. ~ 417 a.a) full-length human protein.
Sequence	MAGPFSRLLSARPGLRLLALAGAGSLAAGFLLRPEPVRAASERRRLYPPSAEYPDLRKHNNCMA SHLTPAVYARLCDKTTPTGWTLDQCIQTGVDNPGHPFIKTVGMVAGDEETYEVFADLFDPVIQER HNGYDPRTMKHTTDLDASKIRSGYFDERYVLSSRVRTGRSIRGLSLPPACTRAERREVERVVVDA LSGLKGDLAGRYYRLSEMTEAEQQQLIDDHFLFDKPVSPLLTAAGMARDWPDARGIWHNNEKSF LIWVNEEDHTRVISMEKGGNMKRVFERFCRGLKEVERLIQERGWEFMWNERLGYILTCPSNLGTG LRAGVHIKLPLLSKDSRFPKILENLRLQKRGTGGVDTAATGGVFDISNLDRLGKSEVELVQLVIDGV NYLIDCERRLERGQDIRIPTPVIHTKH
Host	Mouse
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.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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  Protocol Download

Gene Info — CKMT1B

Entrez GeneID	1159
GeneBank Accession#	NM_020990
Protein Accession#	NP_066270
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 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. Many malignant cancer s with poor prognosis have shown overexpression of ubiquitous mitochondrial creatine kinase; thi s may be related to high energy turnover and failure to eliminate cancer cells via apoptosis. Ubiqu itous mitochondrial creatine kinase has 80% homology with the coding exons of sarcomeric mitoc hondrial creatine kinase. Two genes located near each other on chromosome 15 have been ident ified which encode identical mitochondrial creatine kinase proteins. [provided by RefSeq
Other Designations	OTTHUMP00000066275|acidic-type mitochondrial creatine kinase|creatine kinase, mitochondria l 1 (ubiquitous)|ubiquitous mitochondrial creatine kinase

Pathway

- Arginine and proline metabolism
- Metabolic pathways