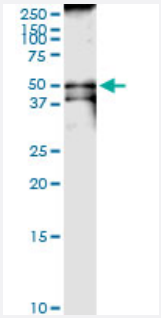
CKMT1B (Human) IP-WB Antibody Pair

Catalog # H00001159-PW1 Size 1 Set

Applications



Immunoprecipitation of CKMT1B transfected lysate using rabbit polyclonal anti-CKMT1B and Protein A Magnetic Bead (U0007), and immunoblotted with mouse polyclonal anti-CKMT1B.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96%); Rat (96%)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of CKMT1B transfected lysate using rabbit polyclonal anti-CKMT1B and Protein A Magnetic Bead (U0007), and immunoblotted with mouse polyclonal anti-CKMT1B.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-CKMT1B (300 ul) 2. Antibody pair for WB: mouse polyclonal anti-CKMT1B (50 ul)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

  Protocol Download

Gene Info — CKMT1B

Entrez GeneID	1159
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