

Rabbit CKMT2 Polyclonal Antibody | anti-CKMT2 antibody

CKMT2 antibody - C-terminal region

CATALOG # AAA198922	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish	APPLICATIONS Western Blot
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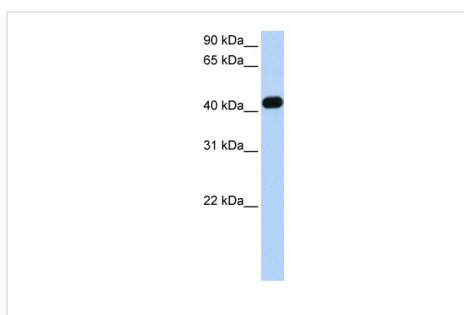
PRODUCT SYNONYMS

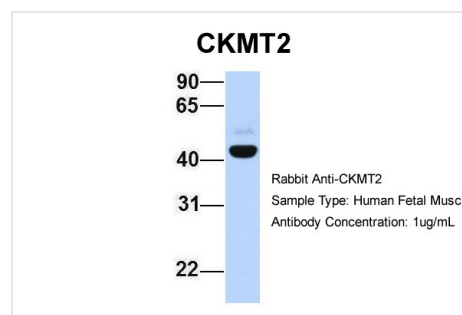
CKMT2; Polyclonal Antibody; CKMT2 antibody - C-terminal region; anti-CKMT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ISNIDRIGRSEV ELVQIVIDGV NYLVDCEKKL ERGQDIKVPPLPQFGKK
Sequence Length	419
Applicable Applications for anti-CKMT2 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 80%; Zebrafish: 83%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human CKMT2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-CKMT2 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:31250
Positive Control: Human heart

WB (Western Blot)

Host: Rabbit
Target Name: CKMT2
Sample Type: Human Fetal Muscle
Antibody Dilution: 1.0ug/mL

ADDITIONAL INFORMATION

Related Product Information for anti-CKMT2 antibody	This is a rabbit polyclonal antibody against CKMT2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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. 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.
Product Categories/Family for anti-CKMT2 antibody	Polyclonal ; Drugs and Drug Metabolism ; Chromatin & Nuclear Signaling ; Signal Transduction ; E3 & Ubiquitin ; Tissue Specific & Cell Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	153251982
NCBI GeneID	1160
NCBI Accession #	NP_001816
NCBI GenBank Nucleotide #	NM_001825
UniProt Accession #	P17540
Molecular Weight	43kDa
NCBI Official Full Name	creatine kinase S-type, mitochondrial
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 2
NCBI Official Symbol	CKMT2
NCBI Official Synonym Symbols	SMTCK
NCBI Protein Information	creatine kinase S-type, mitochondrial
UniProt Protein Name	Creatine kinase S-type, mitochondrial
UniProt Gene Name	CKMT2
UniProt Synonym Gene Names	Mib-CK; S-MtCK
UniProt Entry Name	KCRS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.