

Rabbit anti-Human CKMT2 Polyclonal Antibody | anti-CKMT2 antibody

CKMT2 Antibody (N-term)

CATALOG # AAA287330	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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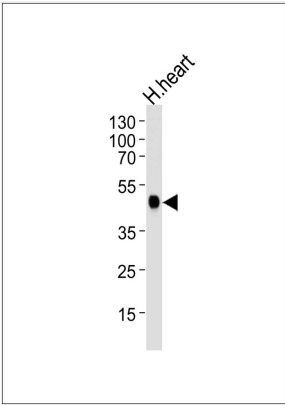
PRODUCT SYNONYMS

CKMT2; Polyclonal Antibody; CKMT2 Antibody (N-term); Creatine kinase S-type; mitochondrial; Basic-type mitochondrial creatine kinase; Mib-CK; Sarcomeric mitochondrial creatine kinase; S-MtCK; anti-CKMT2 antibody

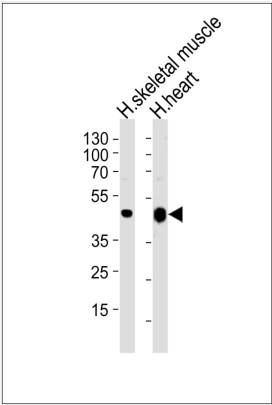
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CKMT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-86 amino acids from the N-terminal region of human CKMT2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	56-86
Sequence Length	419
Applicable Applications for anti-CKMT2 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of lysate from human heart tissue lysate, using CKMT2 Antibody A71. AAA287330 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



WB (Western Blot)
Western blot analysis of lysates from human skeletal muscle and heart tissue lysates (from left to right), using CKMT2 Antibody (A71). AAA287330 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-CKMT2 antibody	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.
Product Categories/Family for anti-CKMT2 antibody	Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	153251984
NCBI GeneID	1160
NCBI Accession #	NP_001093205.1; NP_001093206.1; NP_001816.2
NCBI GenBank Nucleotide #	NM_001099735.1
UniProt Accession #	P17540; Q6ICS8; Q8N1E1
Molecular Weight	47504
NCBI Official Full Name	creatine kinase S-type, mitochondrial
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 2 (sarcomeric)
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

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ckmt2-antibody-western-blot-elisa/287330>