

Rabbit CKMT2 Polyclonal Antibody | anti-CKMT2 antibody

CKMT2 Polyclonal Antibody

CATALOG # AAA170554	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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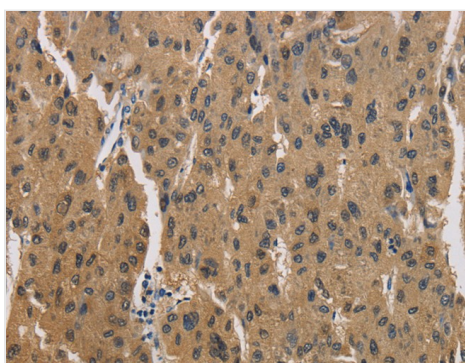
PRODUCT SYNONYMS

CKMT2; Polyclonal Antibody; CKMT2 Polyclonal Antibody; SMTCK; anti-CKMT2 antibody

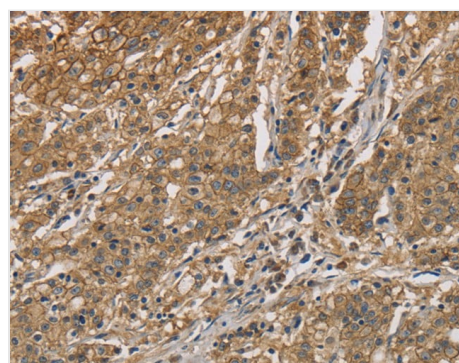
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	2.8mg/mL (varies by lot)
Sequence Length	419
Applicable Applications for anti-CKMT2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant protein of human CKMT2
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

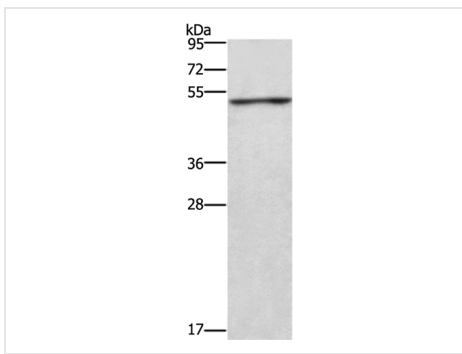
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer using CKMT2 Polyclonal Antibody at dilution of 1:60


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human gastric cancer using CKMT2 Polyclonal Antibody at dilution of 1:60



WB (Western Blot)

Western Blot analysis of Jurkat cell using CKMT2 Polyclonal Antibody at dilution of 1:700

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. Three transcript variants encoding the same protein have been found for this gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153252003
NCBI GeneID	1160
NCBI Accession #	NP_001093206.1
NCBI GenBank Nucleotide #	NM_001099736.1
Molecular Weight	47,504 Da
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; S-MtCK; basic-type mitochondrial creatine kinase; mib-CK; sarcomeric mitochondrial creatine kinase
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ckmt2-antibody-immunohistochemistry-western-blot-elisa/170554>