

Rabbit CKMT1A Polyclonal Antibody | anti-CKMT1A antibody

CKMT1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323081	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

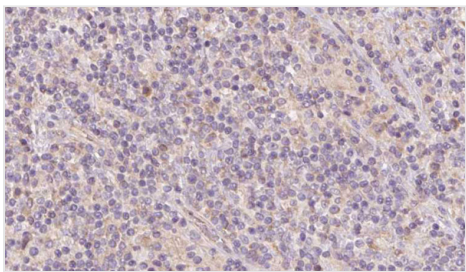
PRODUCT SYNONYMS

CKMT1A; Polyclonal Antibody; CKMT1A Antibody; Acidic-type mitochondrial creatine kinase; CKMT; CKMT1; CKMT1B; Creatine kinase mitochondrial 1 (ubiquitous); Creatine kinase mitochondrial 1B; Creatine kinase U type mitochondrial; Creatine kinase U-type; KCRU_HUMAN; Mia-CK; mitochondrial; U-MtCK; Ubiquitous mitochondrial creatine kinase; UMTCK; anti-CKMT1A antibody

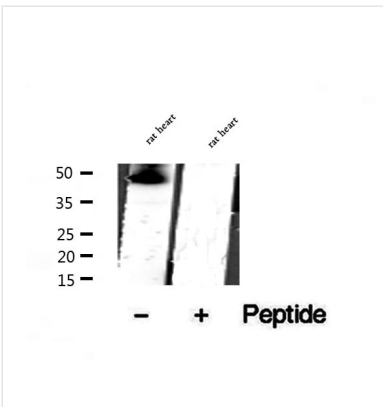
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CKMT1A antibody detects endogenous levels of CKMT1A.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	417
Applicable Applications for anti-CKMT1A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CKMT1A.
Subcellular Location	Mitochondrion Inner Membrane.
Predicted Cross Reactivity	Pig, Bovine, Chicken
Similarity	Pig (100%), Bovine (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323081 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of rat heart tissue, using CKMT1A antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CKMT1A antibody	Function: Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. Subunit Structure: Exists as an octamer composed of four MTCK homodimers. Similarity: Belongs to the ATP:guanido phosphotransferase family.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	66346730
NCBI GeneID	548596
NCBI Accession #	NP_001015001.1
NCBI GenBank Nucleotide #	NM_001015001.2
UniProt Accession #	P12532; Q0VAM3; Q32NF6; Q53FC4; B4DIT8; B7ZA09
Molecular Weight	Observed: 45 kDa Predicted: 48 kDa
NCBI Official Full Name	creatine kinase U-type, mitochondrial isoform 1
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 1A
NCBI Official Symbol	CKMT1A
NCBI Official Synonym Symbols	CKMT1; U-MtCK; mia-CK
NCBI Protein Information	creatine kinase U-type, mitochondrial
UniProt Protein Name	Creatine kinase U-type, mitochondrial
UniProt Gene Name	CKMT1A
UniProt Synonym Gene Names	CKMT; Mia-CK; U-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.