

Rabbit CKMT1A/CKMT1B Polyclonal Antibody | anti-CKMT1A/CKMT1B antibody

CKMT1A/CKMT1B Polyclonal Antibody

CATALOG # AAA167253	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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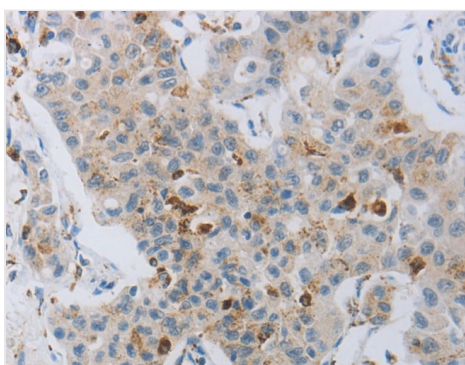
PRODUCT SYNONYMS

CKMT1A/CKMT1B; Polyclonal Antibody; CKMT1A/CKMT1B Polyclonal Antibody; CKMT; CKMT1; UMTCK; anti-CKMT1A/CKMT1B antibody

PRODUCT SPECIFICATIONS

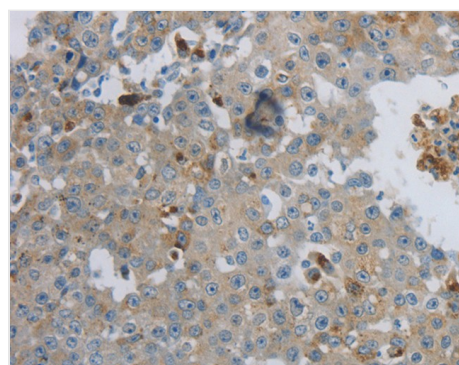
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	3.6mg/mL (varies by lot)
Sequence Length	417
Applicable Applications for anti-CKMT1A/CKMT1B antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide of human CKMT1A/CKMT1B
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 lung cancer tissue using CKMT1A/CKMT1B Polyclonal Antibody at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer tissue using CKMT1A/CKMT1B Polyclonal Antibody at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-CKMT1A/CKMT1B antibody	Mitochondrial creatine (MtCK) kinase 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. Many malignant cancers with poor prognosis have shown overexpression of ubiquitous mitochondrial creatine kinase; this may be related to high energy turnover and failure to eliminate cancer cells via apoptosis. Ubiquitous mitochondrial creatine kinase has 80% homology with the coding exons of sarcomeric mitochondrial creatine kinase. Two genes located near each other on chromosome 15 have been identified which encode identical mitochondrial creatine kinase proteins.
Product Categories/Family for anti-CKMT1A/CKMT1B antibody	Cancer; Cell biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	125315
NCBI GeneID	548596
Molecular Weight	50,421 Da
NCBI Official Full Name	Creatine kinase U-type, mitochondrial
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 1A
NCBI Official Symbol	CKMT1A
NCBI Official Synonym Symbols	CKMT1
NCBI Protein Information	creatine kinase U-type, mitochondrial; U-MtCK; acidic-type mitochondrial creatine kinase; creatine kinase, mitochondrial 1 (ubiquitous); mia-CK; ubiquitous mitochondrial creatine kinase
UniProt Protein Name	Creatine kinase U-type, mitochondrial
UniProt Gene Name	CKMT1A
UniProt Synonym Gene Names	CKMT; Mia-CK; U-MtCK
UniProt Entry Name	KCRU_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://stage.aaabiotech.com/polyclonal/ckmt1a-ckmt1b-antibody-immunohistochemistry-elisa/167253>