

Rabbit CKMT1B Polyclonal Antibody | anti-CKMT1B antibody

CKMT1B Polyclonal Antibody

CATALOG # AAA311325	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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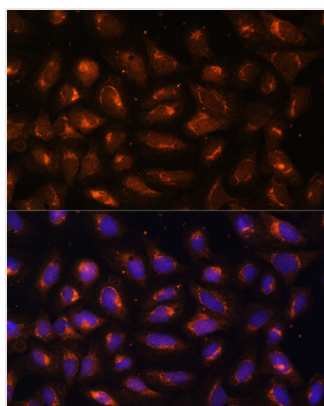
PRODUCT SYNONYMS

CKMT1B; Polyclonal Antibody; CKMT1B Polyclonal Antibody; CKMT; CKMT1; UMTCK; creatine kinase; mitochondrial 1B; anti-CKMT1B antibody

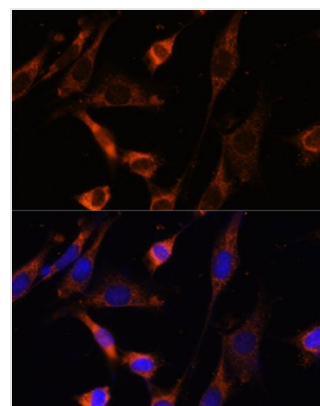
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 50% glycerol, pH7.4
Applicable Applications for anti-CKMT1B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human CKMT1B (NP_066270.1).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

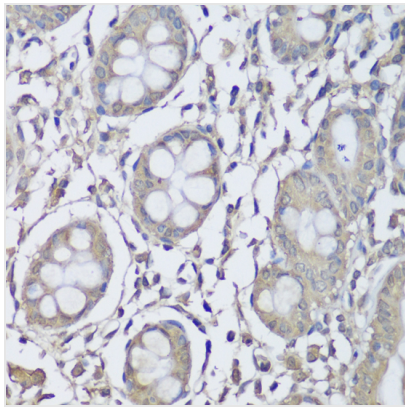
IMAGES


IF (Immunofluorescence)

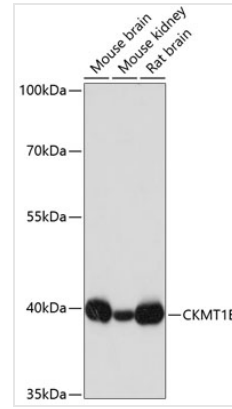
Immunofluorescence analysis of U-2 OS cells using CKMT1B Polyclonal Antibody.


IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using CKMT1B Polyclonal Antibody.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human colon using CKMT1B antibody.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CKMT1B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-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-CKMT1B antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	10334859
NCBI GeneID	1159
NCBI Accession #	NP_066270.1
NCBI GenBank Nucleotide #	NM_020990.3
UniProt Accession #	P12532 ; Q0VAM3 ; Q32NF6 ; Q53FC4 ; B4DIT8 ; B7ZA09
Molecular Weight	47,037 Da
NCBI Official Full Name	creatine kinase U-type, mitochondrial
NCBI Official Synonym Full Names	creatine kinase, mitochondrial 1B
NCBI Official Symbol	CKMT1B
NCBI Official Synonym Symbols	CKMT; CKMT1; UMTCK
NCBI Protein Information	creatine kinase U-type, mitochondrial; U-MtCK; mia-CK; ubiquitous mitochondrial creatine kinase; acidic-type mitochondrial creatine kinase; creatine kinase, mitochondrial 1 (ubiquitous)
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/ckmt1b-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/311325>