

Rabbit Creatine kinase 1B Polyclonal Antibody

Creatine kinase 1B antibody

CATALOG # AAA107916	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry
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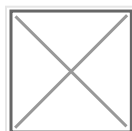
PRODUCT SYNONYMS

Creatine kinase 1B; Polyclonal Antibody; Creatine kinase 1B antibody; Polyclonal Creatine kinase 1B; Anti-Creatine kinase 1B; Creatine kinase B-1; CKMT; Creatine kinase B 1; CKMT1; CKMT1A; UMTCK; ubiquitous mitochondrial creatine kinase; creatine kinase mitochondrial 1 (ubiquitous); creatine kinase U-type mitochondrial; CKMT1B; U-MtCK; anti-Creatine kinase 1B antibody

PRODUCT SPECIFICATIONS

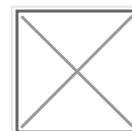
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Creatine kinase 1B antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-Creatine kinase 1B antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	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.
Cross-Reactivity	Human
Immunogen	Creatine kinase 1B antibody was raised in rabbit using a recombinant protein fragment contain a sequence corresponding to a region within amino acids 63 and 287 of Creatine kinase 1B
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of 30 ug whole cell lysate (A:H1299; B:HeLa S3) using a 10 % SDS PAGE gel and Creatine kinase 1B antibody at a dilution of 1:1000



IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin-embedded A549 xenograft using Creatine kinase 1B antibody at a dilution of 1:300

ADDITIONAL INFORMATION

Related Product Information for anti-Creatine kinase 1B antibody	Affinity purified Rabbit polyclonal Creatine kinase 1B antibody
Product Categories/Family for anti-Creatine kinase 1B antibody	Proteases ; Inhibitors ; & Enzymes ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

Molecular Weight	47 kDa
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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/creatine-kinase-1b-antibody-western-blot-immunohistochemistry-elisa/107916>