

Rabbit anti-Human CKMT1A Polyclonal Antibody | anti-CKMT1A antibody

Anti-CKMT1A Antibody, Rabbit Polyclonal

CATALOG # AAA256225	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

CKMT1A; Polyclonal Antibody; Anti-CKMT1A Antibody; Rabbit Polyclonal; CKMT1A Antibody; Rabbit PAb; Antigen Affinity Purified; creatine kinase; mitochondrial 1A; Anti-CKMT Antibody; Anti-CKMT1 Antibody; anti-CKMT1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CKMT1A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-CKMT1A antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human CKMT1A fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human CKMT1A fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

CKMT1A was immunoprecipitated using: Lane A: 0.5 mg A431 Whole Cell Lysate 4 uL anti-CKMT1A rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-CKMT1A rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 40 kDa. Observed band size: 40 kDa.



WB (Western Blot)

Anti-CKMT1A rabbit polyclonal antibody at 1:500 dilution. Lane A: A-431 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 47 kDa. Observed band size: 43 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CKMT1A antibody	CKMT1A belongs to the ATP:guanido phosphotransferase family. It contains 1 phosphagen kinase C-terminal domain and 1 phosphagen kinase N-terminal domain. CKMT1A gene is one of two genes that encodes the ubiquitous mitochondrial creatine kinase (CKMT1). CKMT1 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 (CKMT2) and ubiquitous MtCK, encoded by separate genes. CKMT1 occurs in two different oligomeric forms: dimers and octamers, in contrast to the exclusively dimeric cytosolic creatine kinase isoenzymes. Ubiquitous mitochondrial creatine kinase has 80% homology with the coding exons of sarcomeric CKMT1.
References	Haas RC, et al. (1989) Isolation and characterization of the gene and cDNA encoding human mitochondrial creatine kinase. J Biol Chem. 264(5):2890-7.Stachowiak O, et al. (1998) Oligomeric state and membrane binding behaviour of creatine kinase isoenzymes: implications for cellular function and mitochondrial structure. Mol Cell Biochem. 184(1-2):141-51.Lipskaya TY. (2001) Mitochondrial creatine kinase: properties and function. Biochemistry Mosc. 66(10):1098-111.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ckmt1a-antibody-immunoprecipitation-western-blot-elisa/256225>