

Rabbit anti-Human UMP-CMP kinase/CMPK1 Polyclonal Antibody | anti-CMPK1 antibody

Anti-UMP-CMP kinase/CMPK1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255736	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

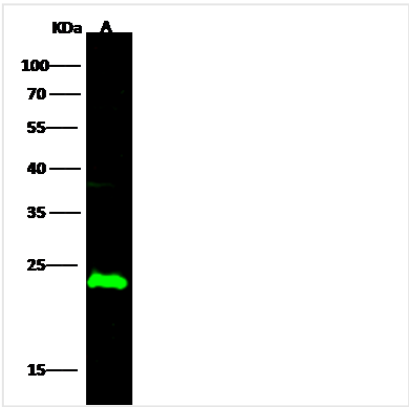
PRODUCT SYNONYMS

UMP-CMP kinase/CMPK1; Polyclonal Antibody; Anti-UMP-CMP kinase/CMPK1 Antibody; Rabbit Polyclonal; CMPK1 Antibody; Rabbit PAb; Antigen Affinity Purified; cytidine monophosphate (UMP-CMP) kinase 1; cytosolic; Anti-CK Antibody; Anti-CMK Antibody; Anti-CMPK Antibody; Anti-UMK Antibody; Anti-UMP-CMPK Antibody; Anti-UMPK Antibody; anti-CMPK1 antibody

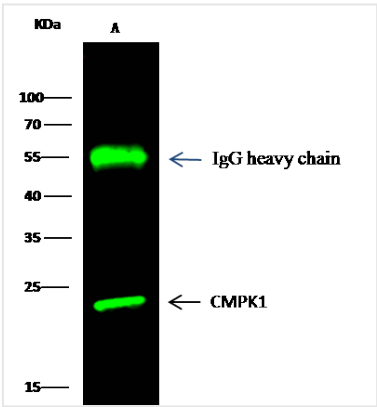
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CMPK1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CMPK1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human CMPK1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CMPK1 (rh CMPK1). CMPK1 specific IgG was purified by Human CMPK1 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. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)
Anti-CMPK1 rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 22 kDa Observed band size: 23 kDa



IP (Immunoprecipitation)
CMPK1 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 2 uL anti-CMPK1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-CMPK1 rabbit polyclonal antibody, at 1:200 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 22 kDa Observed band size: 22 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CMPK1 antibody	CMPK1 plays a key role in the maintenance of pyrimidine nucleotide pool profile and for the metabolism of pyrimidine analogs in cells. It catalyzes the phosphoryl transfer from ATP to UMP, CMP, and deoxy-CMP (dCMP), resulting in the formation of ADP and the corresponding nucleoside diphosphate. CMPK1 also has a significant role in the activation of pyrimidine analogs, which are clinically useful anti-cancer and anti-viral drugs. In the meanwhile, CMPK1 functions in cellular nucleic acid biosynthesis.
References	Liou J, et al. (2004) Phosphorylation of Cytidine, Deoxycytidine, and Their Analog Monophosphates by Human UMP/CMP Kinase is Differentially Regulated by ATP and Magnesium. Molecular Pharmacology. 67(3):806-14. Gerhard DS, et al. (2004) The Status, Quality, and Expansion of the NIH Full-Length cDNA Project: The Mammalian Gene Collection (MGC). Genome Research. 14(10B):2121-7. Segura-Pena D, et al. (2004) Substrate-induced Conformational Changes in Human UMP/CMP Kinase. Journal of Biological Chemistry. 279(32):33882-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	209915597
NCBI GeneID	51727
NCBI Accession #	NP_001129612.1
NCBI GenBank Nucleotide #	NM_001136140.1
UniProt Accession #	P30085; Q53GB7; Q5SVZ0; Q96C07; Q9UBQ8; Q9UIA2
Molecular Weight	22,222 Da
NCBI Official Full Name	UMP-CMP kinase isoform b
NCBI Official Synonym Full Names	cytidine monophosphate (UMP-CMP) kinase 1, cytosolic
NCBI Official Symbol	CMPK1
NCBI Official Synonym Symbols	CK; CMK; UMK; CMPK; UMPK; UMP-CMPK; RP11-511I2.1
NCBI Protein Information	UMP-CMP kinase; dCMP kinase; UMP/CMP kinase; cytidylate kinase; deoxycytidylate kinase; uridine monophosphate kinase; uridine monophosphate/cytidine monophosphate kinase
UniProt Protein Name	UMP-CMP kinase
UniProt Gene Name	CMPK1

UniProt Synonym Gene Names	CMK; CMPK; UCK; UMK; UMPK; CK; dCMP kinase; UMP/CMP kinase; UMP/CMPK
UniProt Entry Name	KCY_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ump-cmp-kinase-cmpk1-antibody-immunoprecipitation-western-blot-elisa/255736>