

Datasheet for ABIN360613

**anti-Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1) (N-Term) antibody**[Go to Product page](#)**2** Images

## Overview

Quantity:	0.4 mL
Target:	Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human UCK.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to UCK.
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

## Target Details

Target:	Cytidine Monophosphate (UMP-CMP) Kinase 1, Cytosolic (CMPK1)
Alternative Name:	CMPK1 ( <a href="#">CMPK1 Products</a> )



## Target Details

Background:	UCK1 (Uridine-cytidine kinase 1) phosphorylates uridine and cytidine to uridine monophosphate and cytidine monophosphate. This enzyme does not phosphorylate deoxyribonucleosides or purine ribonucleosides. Of note, UCK1 is able to use either ATP or GTP as a phosphate donor. UCK1 also possesses the ability to phosphorylate a number of cytidine and uridine nucleoside analogs such as 6-azauridine, 5-fluorouridine, 4-thiouridine, 5-bromouridine, N(4)-acetylcytidine, N(4)-benzoylcytidine, 5-fluorocytidine, 2-thiocytidine, 5-methylcytidine, and N(4)-anisoylcytidine.Synonyms: CMK, CMPK, Cytidine monophosphate kinase, Cytidylate kinase, Deoxycytidylate kinase, UCK, UMK, UMP-CMP kinase, UMP/CMP kinase, UMP/CMPK, UMPK, Uridine monophosphate kinase, Uridine monophosphate/cytidine monophosphate kinase
Gene ID:	51727, 9606
UniProt:	<a href="#">P30085</a>
Pathways:	<a href="#">Nucleotide Phosphorylation</a> , <a href="#">Ribonucleoside Biosynthetic Process</a>

## Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100. Flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



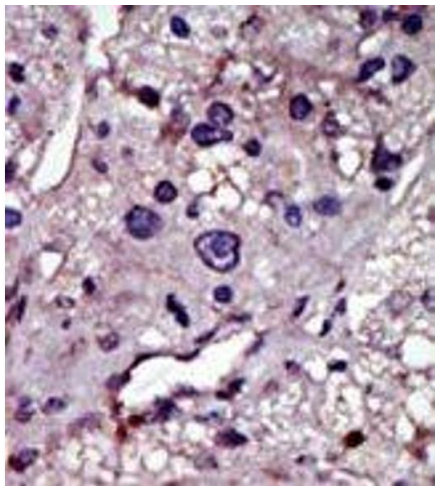
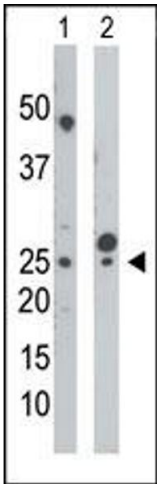


Image 1.



Western Blotting  
Image 2.