

## ARG59941 anti-CMPK1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CMPK1
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CMPK1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 69-228 of Human CMPK1 (NP_057392.1).
Conjugation	Un-conjugated
Alternate Names	CK; UMP/CMP kinase; CMK; EC 2.7.4.14; Nucleoside-diphosphate kinase; Uridine monophosphate/cytidine monophosphate kinase; UMP/CMPK; UMP-CMP kinase; dCMP kinase; Deoxycytidylate kinase; EC 2.7.4.6; CMPK; UMP-CMPK; UMPK; UMK

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IP	Assay-dependent
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HL-60	
Observed Size	22 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

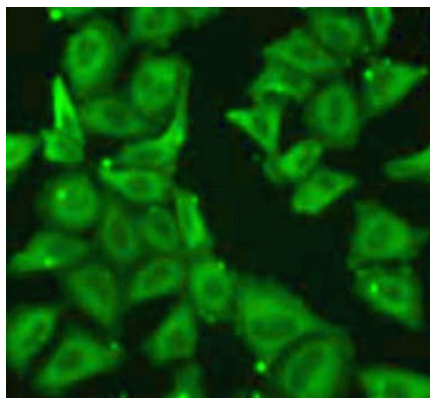
**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

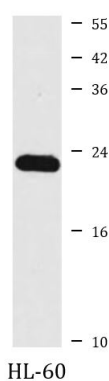
Gene Symbol	CMPK1
Gene Full Name	cytidine monophosphate (UMP-CMP) kinase 1, cytosolic
Background	This gene encodes one of the enzymes required for cellular nucleic acid biosynthesis. This enzyme catalyzes the transfer of a phosphate group from ATP to CMP, UMP, or dCMP, to form the corresponding diphosphate nucleotide. Alternate splicing results in both coding and non-coding transcript variants. [provided by RefSeq, Feb 2012]
Function	Catalyzes the phosphorylation of pyrimidine nucleoside monophosphates at the expense of ATP. Plays an important role in de novo pyrimidine nucleotide biosynthesis. Has preference for UMP and CMP as phosphate acceptors. Also displays broad nucleoside diphosphate kinase activity. [UniProt]
Calculated Mw	22 kDa
Cellular Localization	Nucleus. Cytoplasm. Note=Predominantly cytoplasmic, less than 15% nuclear. [UniProt]

## Images



ARG59941 anti-CMPK1 antibody ICC/IF image

Immunofluorescence: MCF7 cells stained with ARG59941 anti-CMPK1 antibody.



ARG59941 anti-CMPK1 antibody WB image

Western blot: 25 µg of HL-60 cell lysate stained with ARG59941 anti-CMPK1 antibody at 1:1000 dilution.