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**Product Name: UMP-CMP Kinase Rabbit Polyclonal Antibody****Catalog #: APRab19625**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	22kDa

**Antigen Information**

<b>Gene Name</b>	CMPK1 CMPK1; CMK; CMPK; UCK; UMK; UMPK; UMP-CMP kinase; Cytidine monophosphate kinase;
<b>Alternative Names</b>	Cytidylate kinase; Deoxycytidylate kinase; Uridine monophosphate kinase; Uridine monophosphate/cytidine monophosphate kinase; UMP/CMP kinase; UMP/CMPK
<b>Gene ID</b>	51727.0
<b>SwissProt ID</b>	P30085
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human KCY. AA range:1-50

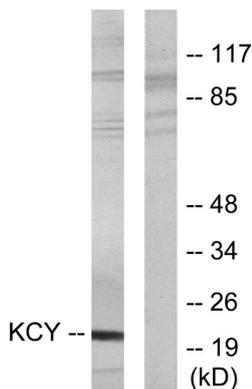
## Background

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],catalytic activity:ATP + (d)CMP = ADP + (d)CDP.,cofactor:Magnesium.,function:Catalyzes specific phosphoryl transfer from ATP to UMP and CMP.,similarity:Belongs to the adenylate kinase family.,subcellular location:Mainly nuclear.,tissue specificity:Ubiquitously expressed.,

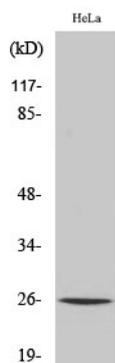
## Research Area

Pyrimidine metabolism;

## Image Data



Western blot analysis of lysates from HeLa cells, using KCY Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using UMP-CMP Kinase Polyclonal Antibody diluted at 1: 500. Secondary antibody was diluted at 1:20000