



# UMP-CMP Kinase Polyclonal Antibody

<b>Catalog No</b>	BYab-02825
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	CMPK1
<b>Protein Name</b>	UMP-CMP kinase
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human KCY. AA range:1-50
<b>Specificity</b>	UMP-CMP Kinase Polyclonal Antibody detects endogenous levels of UMP-CMP Kinase protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CMPK1; CMK; CMPK; UCK; UMK; UMPK; UMP-CMP kinase; Cytidine monophosphate kinase; Cytidylate kinase; Deoxycytidylate kinase; Uridine monophosphate kinase; Uridine monophosphate/cytidine monophosphate kinase; UMP/CMP kinase; UMP/CMPK
<b>Observed Band</b>	22kD
<b>Cell Pathway</b>	Nucleus . Cytoplasm . Predominantly cytoplasmic, less than 15% nuclear. .
<b>Tissue Specificity</b>	Ubiquitously expressed.
<b>Function</b>	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.,

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**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],

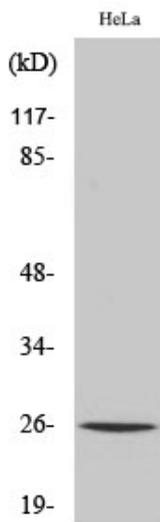
**matters needing attention**

Avoid repeated freezing and thawing!

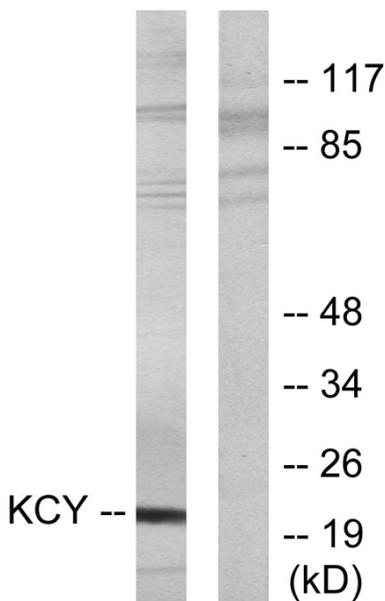
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

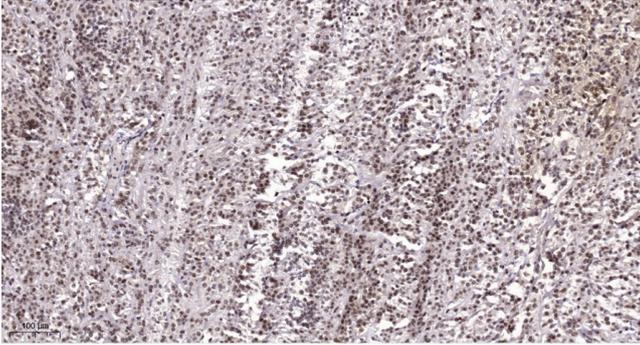


Western Blot analysis of various cells using UMP-CMP Kinase Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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

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Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).