



# CMPK2 mouse mAb

<b>Catalog No</b>	YP-mAb-11446
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse; Rat
<b>Applications</b>	WB
<b>Gene Name</b>	CMPK2
<b>Protein Name</b>	CMPK2
<b>Immunogen</b>	Synthesized peptide derived from human CMPK2 AA range: 57-107
<b>Specificity</b>	This antibody detects endogenous levels of CMPK2 at Human/Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, mouse, IgG
<b>Purification</b>	The antibody was affinity-purified from mouse serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1: 500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Observed Band</b>	
<b>Calculated Molecular Weight</b>	49kD
<b>Cell Pathway</b>	Mitochondrion .
<b>Tissue Specificity</b>	Among all investigated tumors, leukemia cells show the most abundant expression.
<b>Function</b>	catalytic activity: ATP + (d)CMP = ADP + (d)CDP., function: May participate in dUTP and dCTP synthesis in mitochondria. Is able to phosphorylate dUMP, dCMP, CMP, UMP and monophosphates of the pyrimidine nucleoside analogs ddC, dFdC, araC, BVDU and FdUrd with ATP as phosphate donor. Efficacy is highest for dUMP followed by dCMP; CMP and UMP are poor substrates. May be involved in mtDNA depletion caused by long term treatment with ddC or other pyrimidine analogs., similarity: Belongs to the thymidylate kinase family., tissue specificity: Among all investigated tumors, leukemia cells show the most abundant expression.,
<b>Background</b>	This gene encodes one of the enzymes in the nucleotide synthesis salvage pathway that may participate in terminal differentiation of monocytic cells. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012],



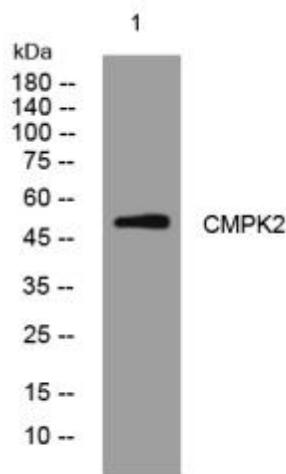
**matters needing attention**

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 lysates from DU145 cells, primary antibody was diluted at 1:1000, 4°over night