

## Product datasheet for **TA505367S**

### **CMPK1 Mouse Monoclonal Antibody [Clone ID: OTI1H3]**

#### **Product data:**

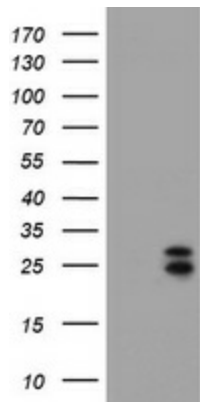
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI1H3
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB 1:2000
<b>Reactivity:</b>	Human, Dog, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human CMPK1(NP_057392) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	25.7 kDa
<b>Gene Name:</b>	cytidine/uridine monophosphate kinase 1
<b>Database Link:</b>	<a href="#">NP_057392</a> <a href="#">Entrez Gene 66588</a> <a href="#">MouseEntrez Gene 298410</a> <a href="#">RatEntrez Gene 610291</a> <a href="#">DogEntrez Gene 51727</a> <a href="#">Human P30085</a>
<b>Background:</b>	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]



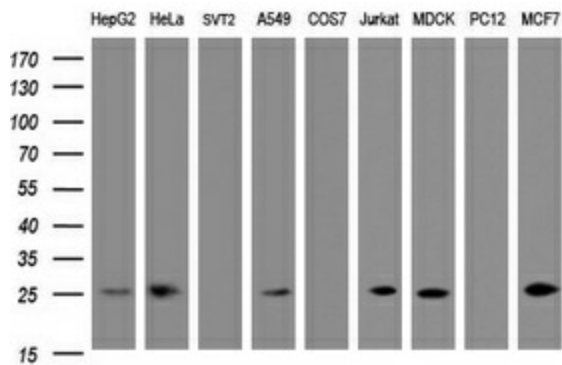
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**Synonyms:** CK; CMK; CMPK; UMK; UMP-CMPK; UMPK  
**Protein Families:** Druggable Genome  
**Protein Pathways:** Metabolic pathways, Pyrimidine metabolism

**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CMPK1 ([RC204856], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CMPK1. Positive lysates [LY402539] (100ug) and [LC402539] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-CMPK1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).