

## Product datasheet for **TA505390S**

### **CMPK1 Mouse Monoclonal Antibody [Clone ID: OT11H8]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OT11H8
<b>Applications:</b>	IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:2000, IHC 1:150, IF 1:100
<b>Reactivity:</b>	Human, 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 Mouse</a> <a href="#">Entrez Gene 298410 Rat</a> <a href="#">Entrez Gene 51727 Human</a> <a href="#">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]
<b>Synonyms:</b>	CK; CMK; CMPK; UMK; UMP-CMPK; UMPK

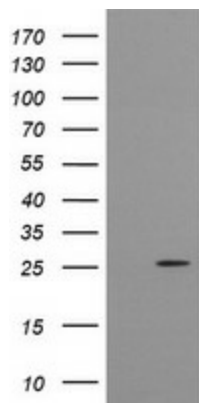


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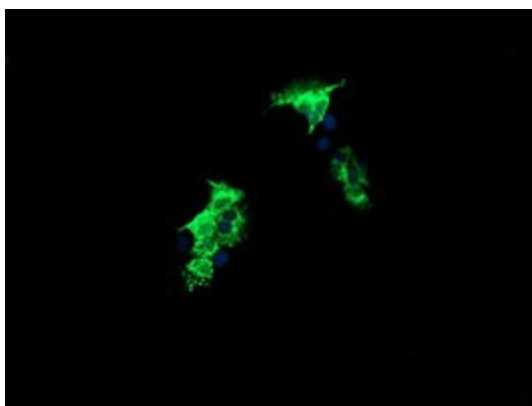
**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Pyrimidine metabolism

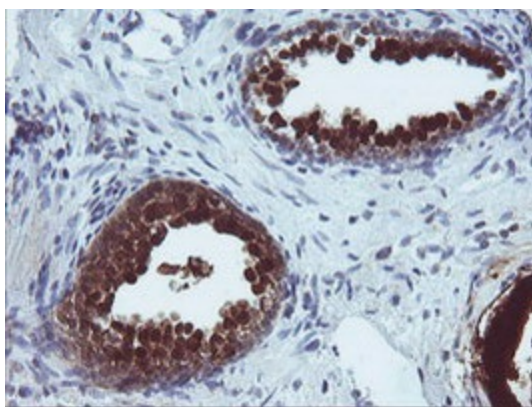
**Product images:**



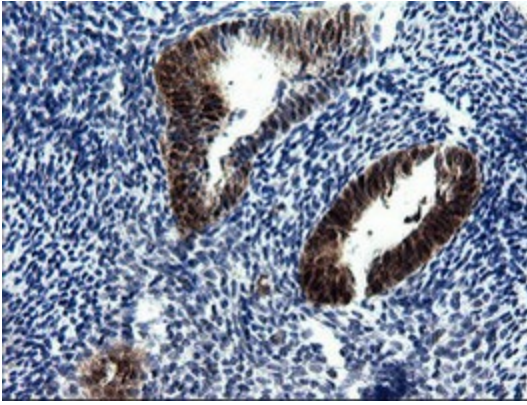
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CMPK1 (Cat# [RC204856], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CMPK1 (Cat# [TA505390]). Positive lysates [LY402539] (100ug) and [LC402539] (20ug) can be purchased separately from OriGene.



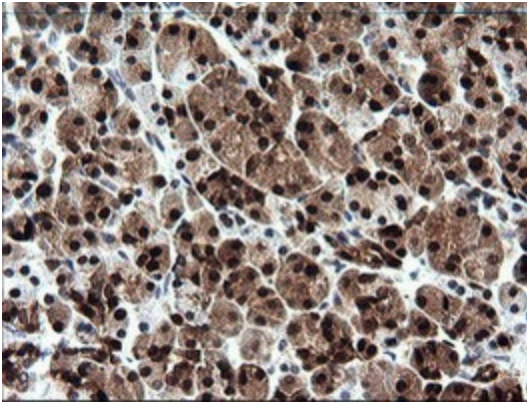
Anti-CMPK1 mouse monoclonal antibody ([TA505390]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CMPK1 ([RC204856]).



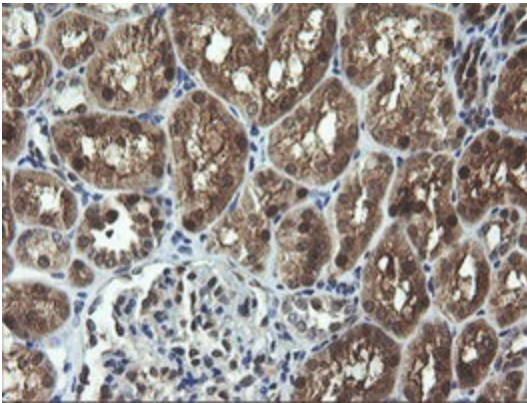
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-CMPK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505390])



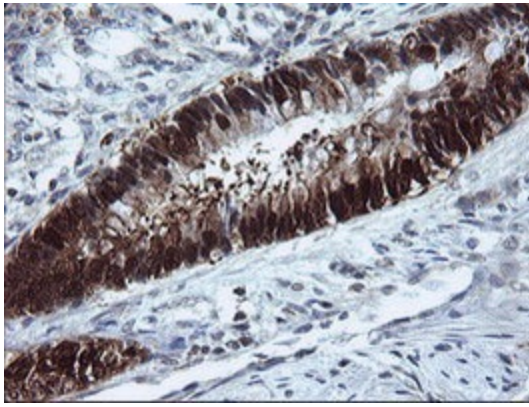
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-CMPK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505390])



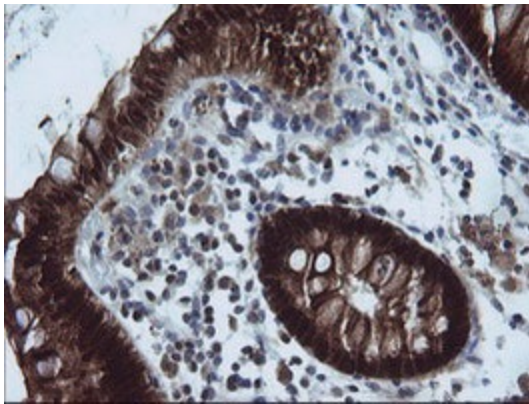
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-CMPK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505390])



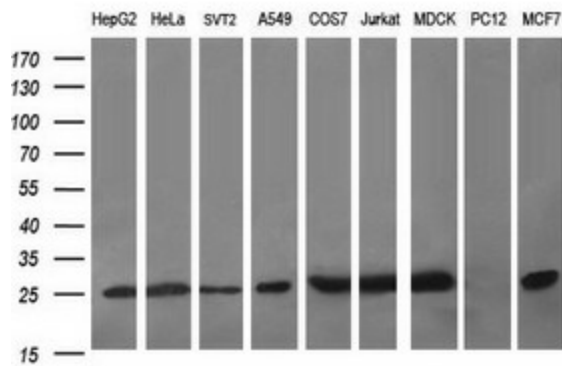
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-CMPK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505390])



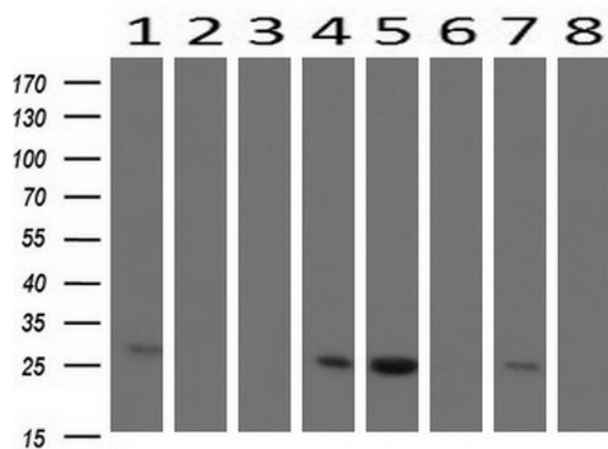
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-CMPK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505390])



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-CMPK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505390])



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).



Western blot analysis of extracts (10ug) from 8 Human tissue by using anti-CMPK1 monoclonal antibody at 1:200 (1: Testis; 2: Uterus; 3: Breast; 4: Brain; 5: Liver; 6: Ovary; 7: Thyroid gland; 8: Colon).