

Product datasheet for **TA505376S**

CMPK1 Mouse Monoclonal Antibody [Clone ID: OTI2B2]

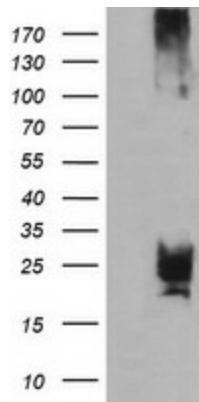
Product data:

| | |
|--------------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI2B2 |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:150, IF 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human CMPK1(NP_057392) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 1 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 25.7 kDa |
| Gene Name: | cytidine/uridine monophosphate kinase 1 |
| Database Link: | NP_057392 Entrez Gene 66588 Mouse Entrez Gene 298410 Rat Entrez Gene 51727 Human P30085 |
| Background: | Uridine monophosphate (UMP)/cytidine monophosphate (CMP) kinase (EC 2.7.4.4) catalyzes the phosphoryl transfer from ATP to UMP, CMP, and deoxy-CMP (dCMP), resulting in the formation of ADP and the corresponding nucleoside diphosphate. These nucleoside diphosphates are required for cellular nucleic acid synthesis (Liou et al., 2002 [PubMed 11912132]). [supplied by OMIM] |

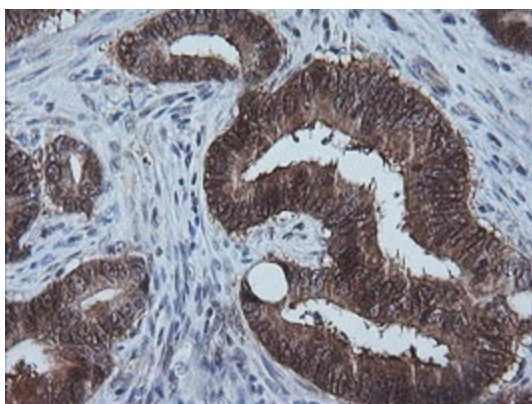


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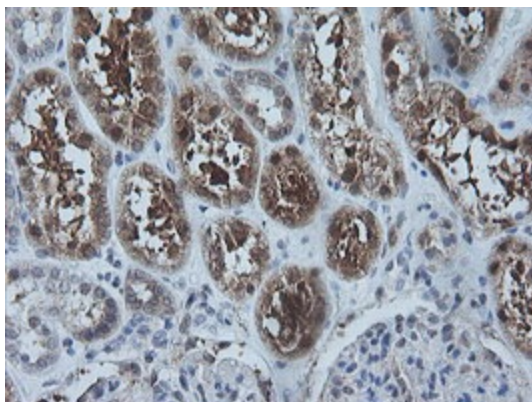
Synonyms: CK; CMK; CMPK; UMK; UMP-CMPK; UMPK
Protein Families: Druggable Genome
Protein Pathways: Metabolic pathways, Pyrimidine metabolism

Product images:


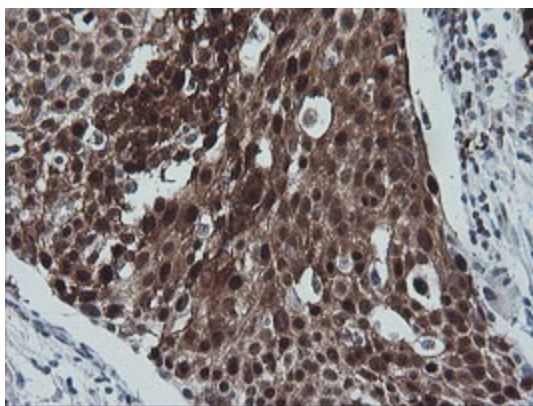
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CMPK1 ([RC204856], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CMPK1. Positive lysates [LY402539] (100ug) and [LC402539]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



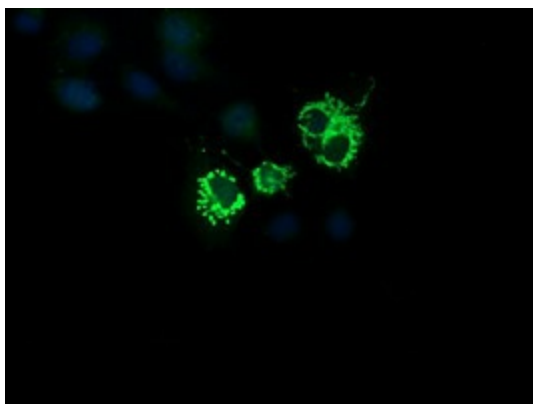
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-CMPK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA505376])



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, 100°C for 10min, [TA505376])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-CMPK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA505376])



Anti-CMPK1 mouse monoclonal antibody ([TA505376]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CMPK1 ([RC204856]).