

CMPK1 rabbit monoclonal antibody

Catalog # H00051727-K

Size 100 ug x up to 3

Specification

| | |
|-------------------------|--|
| Product Description | Rabbit monoclonal antibody raised against a human CMPK1 peptide using ARM Technology. |
| Immunogen | A synthetic peptide of human CMPK1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence. |
| Host | Rabbit |
| Library Construction | Non-fusion antibody library from rabbit spleen (ARM Technology). |
| Expression | Overexpression vector and transfection into 293H cell line. |
| Reactivity | Human |
| Purification | Protein A |
| Isotype | IgG |
| Quality Control Testing | Antibody reactive against human CMPK1 peptide by ELISA and mammalian transfected lysate by Western Blot. |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| Deliverable | Up to three rabbit IgG clones of 100 ug each will be delivered to customer. |
| Note | 1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CMPK1

Entrez GeneID [51727](#)

GeneBank Accession# [CMPK1](#)

Gene Name CMPK1

Gene Alias CMK, CMPK, UMK, UMP-CMPK, UMPK

Gene Description cytidine monophosphate (UMP-CMP) kinase 1, cytosolic

Omim ID [191710](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations Cytidine monophosphate kinase|OTTHUMP00000009565|UMP-CMP kinase|cytidylate kinase

Pathway

- [Metabolic pathways](#)
- [Pyrimidine metabolism](#)