

For Research Use Only

CMPK2 Polyclonal antibody

Catalog Number: 18814-1-AP



Basic Information

Catalog Number:

18814-1-AP

Size:

150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC144202

GeneID (NCBI):

129607

UNIPROT ID:

Q5EBMO

Full Name:

cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial

Calculated MW:

49 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human

Background Information

CMPK2 belongs to the thymidylate kinase family. CMPIK2 may participate in dUTP and dCTP synthesis in mitochondria. It 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 of CMPIK2 is highest for dUMP followed by dCMP; CMP and UMP are poor substrates. CMPIK2 may be involved in mtDNA depletion caused by long term treatment with ddC or other pyrimidine analogs. The antibody recognized all these 4 isoform of CMPIK2.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

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Selected Validation Data