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Datasheet for ABIN6991766 **anti-CMPK2 antibody (C-Term)**

Overview

Quantity:	0.1 mg
Target:	CMPK2
Binding Specificity:	AA 370-420, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CMPK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	CMPK2 antibody was raised against a 19 amino acid synthetic peptide near the carboxy terminus of human CMPK2. The immunogen is located within amino acids 370 - 420 of CMPK2.
Isotype:	IgG
Specificity:	Multiple isoforms of CMPK2 are known to exist.
Purification:	CMPK2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CMPK2
Alternative Name:	CMPK2 (CMPK2 Products)

Target Details

Background:	CMPK2 Antibody: UMP-CMP kinase 2 (CMPK2) is the first nucleoside monophosphate kinase that has been identified in human mitochondria. It is a component of the salvage pathway for nucleotide synthesis that may participate in terminal differentiation of monocytic cells. There are two distinct domains of CMPK2: the N-terminal domain with unknown function and the C-terminal domain with the kinase function, suggesting that CMPK2 may be a bifunctional protein with other biological functions in addition to its UMP-CMP kinase activity. CMPK2 may participate in dUTP and dCTP synthesis and is responsible for phosphorylation of dCMP and dUMP in mitochondria. CMPK2 is actively involved in macrophage activation and the inflammatory response
Molecular Weight:	49 kDa
Gene ID:	129607
NCBI Accession:	NP_997198
UniProt:	Q5EBM0
Pathways:	Nucleotide Phosphorylation , Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	CMPK2 antibody can be used for detection of CMPK2 by Western blot at 1 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in rat samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	CMPK2 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C

Handling

Storage Comment: CMPK2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.