

Datasheet for ABIN1449968
anti-CMPK2 antibody (C-Term)[Go to Product page](#)

1 Image

Overview

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

Product Details

Immunogen:	19 amino acid synthetic peptide near the carboxy terminus of Human CMPK2
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse, Rat.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	CMPK2
Alternative Name:	CMPK2 (CMPK2 Products)
Background:	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

Target Details

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. Synonyms: LOC129607, UMP-CMP kinase 2

Molecular Weight: 49 kDa

Gene ID: 129607

NCBI Accession: [NP_997198](#)

Pathways: [Nucleotide Phosphorylation](#), [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

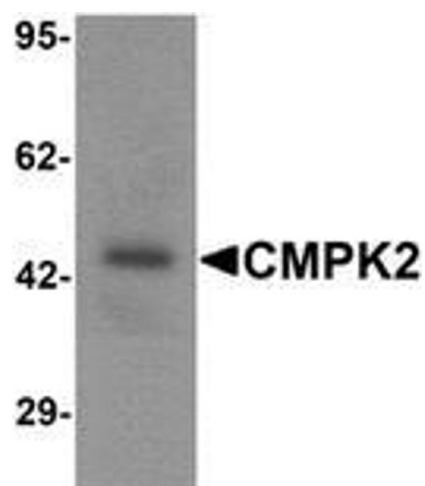
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of CMPK2 in rat lung tissue lysate with CMPK2 Antibody at 1 ug/mL