

CMPK1 Monoclonal Antibody

catalog number: AN200144P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

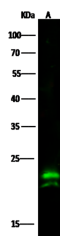
Reactivity	Human
Immunogen	Recombinant Human CMPK1 Protein
Host	Mouse
Isotype	IgG1
Clone	13B7
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

WB	1:500-1:2000
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Data



Western Blot with CMPK1 Monoclonal Antibody at dilution of 1:500. Lane A: K562 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:22 kDa

Calculated-MW:22 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

CMPK1 plays a key role in the maintenance of pyrimidine nucleotide pool profile and for the metabolism of pyrimidine analogs in cells. It catalyzes the phosphoryl transfer from ATP to UMP, CMP, and deoxy-CMP (dCMP), resulting in the formation of ADP and the corresponding nucleoside diphosphate. CMPK1 also has a significant role in the activation of pyrimidine analogs, which are clinically useful anti-cancer and anti-viral drugs. In the meanwhile, CMPK1 functions in cellular nucleic acid biosynthesis.

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