

À des fins de recherche uniquement

# Anticorps Monoclonal anti-CMPK1

Numéro de catalogue: CL594-67519



## Informations de base

<b>Numéro de catalogue:</b> CL594-67519	<b>Numéro d'acquisition GenBank:</b> BC014961	<b>Méthode de purification:</b> Purification par protéine A
<b>Taille:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 51727	<b>CloneNo.:</b> 2D11G7
<b>Hôte:</b> Mouse	<b>Nom complet:</b> cytidine monophosphate (UMP-CMP) kinase 1, cytosolic	<b>Dilutions recommandées:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2b	<b>MW calculé</b> 228 aa, 26 kDa	<b>Excitation/Emission maxima wavelenghts:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG30084	<b>MW observés:</b> 22-26 kDa	

## Applications

<b>Applications testées:</b> IF	<b>Contrôles positifs:</b> IF : cellules HeLa,
<b>Spécificité de l'espèce:</b> Humain	

## Informations générales

Pyrimidine nucleoside monophosphate kinase [UMP/CMP kinase (UMP/CMPK)] (CMPK1) is also named as CMK, CMPK, UCK, UMK, UMPK and belongs to the adenylate kinase family. It plays a crucial role in the formation of UDP, CDP, and dCDP, which are required for cellular nucleic acid synthesis(PMID:11912132). CMPK1 can use a broad spectrum of phosphate donors but the best phosphate donors are ATP and dATP. CMPK1 has been reported as a prognostic marker for non-small cell lung cancer, pancreatic cancer and breast cancer (PMID: 21642870, 22838950, 27558661). The longest deduced protein contains 228 amino acids and has a calculated molecular mass of 26 kD. However, translation likely begins at the second initiation methionine, resulting in a protein of 196 amino acids(PMID:10462544). The shorter form is the endogenously translated protein(PMID:11912132). CMPK1 has 3 isoforms with the molecular mass of 22, 16 and 26 kDa.

## Stockage

**Stockage:**  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

**\*\*\* Les 20ul contiennent 0,1% de BSA.**

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

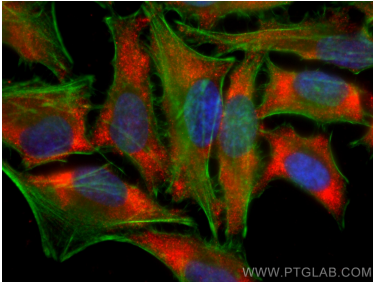
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## Données de validation sélectionnées



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite@594 CMPK1 antibody (CL594-67519, Clone: 2D11G7) at dilution of 1:200, CL488-Phalloidin (green).