

Nur für Forschungszwecke

CMPK1 Monoklonaler Antikörper

Katalog-Nr.:67519-1-Ig



Allgemeine Informationen

Katalog-Nr.: 67519-1-Ig	GenBank-Zugangsnummer: BC014961	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 1200 µg/ml von51727 Nanodrop und 500 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 51727	CloneNo.: 2D11G7
Wirt: Maus	Vollständiger Name: cytidine monophosphate (UMP-CMP) kinase 1, cytosolic	Empfohlene Verdünnungen: WB 1:5000-1:50000 IF 1:200-1:800
Isotyp: IgG2b	Berechnete Masse: 228 aa, 26 kDa	
Immunogen Katalognummer: AG30084	Beobachtete Masse: 22-26 kDa	

Anwendungen

Geprüfte Anwendungen: IF, WB, ELISA	Positivkontrollen: WB : HeLa-Zellen, HEK-293-Zellen, Jurkat-Zellen
Getestete Reaktivität: Human	IF : HeLa-Zellen,

Hintergrundinformationen

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 kDa. 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.

Lagerung

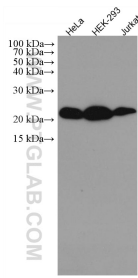
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

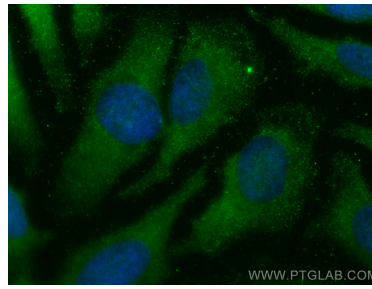
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 67519-1-Ig (CMPK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CMPK1 antibody (67519-1-Ig, Clone: 2D11G7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).