

Nur für Forschungszwecke

Phospho-CHEK2 (Thr68) Polyklonaler Antikörper



Katalog-Nr.: 29012-1-AP

4 Publikationen

Allgemeine Informationen

Katalog-Nr.: 29012-1-AP	GenBank-Zugangsnummer: BC004207	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 450 µg/ml von Nanodrop;	GeneID (NCBI): 11200	Empfohlene Verdünnungen: WB 1:500-1:2000
Wirt: Kaninchen	Vollständiger Name: CHK2 checkpoint homolog (S. pombe)	
Isotyp: IgG	Berechnete Masse: 61 kDa	
	Beobachtete Masse: 65 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : Mit MMS behandelte PC-3-Zellen,
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Human	
Zitierte Arten: Human	

Hintergrundinformationen

Serine/threonine-protein kinase Chk2 (CHEK2) is a serine/threonine kinase which is activated upon DNA damage and is implicated in pathways that govern DNA repair, cell cycle arrest or apoptosis in response to the initial damage. ATM phosphorylates CHEK2 on T68. Phosphorylation on T68 and subsequent full activation of CHEK2 was shown to require priming phosphorylation on adjacent residues by Polo-like kinase 3 (PLK3) and the dual specificity tyrosine and serine/threonine kinase TTK/hMPS1. Additionally TTK appears to phosphorylate T68. Phosphorylation of T68 promotes the binding of the N-terminal SQ/TQ-rich cluster of one CHEK2 molecule with the FHA domain of another CHEK2 molecule. (PMID: 28553140, PMID: 18004398, PMID: 33322746)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xin Wen	36249018	Front Oncol	WB
Zhili Xia	36185307	Front Oncol	WB
Chao Mei	35187743	Cell Prolif	WB

Lagerung

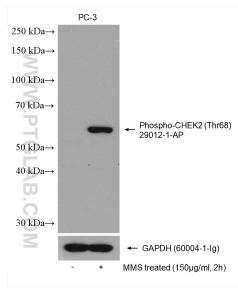
Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 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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W: ptglab.com

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Ausgewählte Validierungsdaten



Non-treated PC-3 and MMS treated PC-3 cells were subjected to SDS PAGE followed by western blot with 29012-1-AP (Phospho-CHEK2 (Thr68) antibody) at dilution of 1:1000 incubated at room temperature for 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.