

Nur für Forschungszwecke

Phospho-Chk1 (Ser296) Polyklonaler Antikörper



Katalog-Nr.: 28805-1-AP

3 Publikationen

Allgemeine Informationen

Katalog-Nr.: 28805-1-AP	GenBank-Zugangsnummer: BC004202	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 210 µg/ml von Nanodrop;	GeneID (NCBI): 1111	Empfohlene Verdünnungen: WB 1:1000-1:8000
Wirt: Kaninchen	Vollständiger Name: CHK1 checkpoint homolog (S. pombe)	
Isotyp: IgG	Berechnete Masse: 54 kDa	
	Beobachtete Masse: 55 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : mit Calyculin A behandelte HEK-293T-Zellen,
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human	

Hintergrundinformationen

In response to DNA damage, mammalian cells prevent cell cycle progression through the control of critical cell cycle regulators. CHK1 (synonym: CHEK1), a homolog of the Schizosaccharomyces pombe Chk1 protein kinase, is required for the DNA damage checkpoint. Human Chk1 protein is modified in response to DNA damage. In vitro Chk1 binds to and phosphorylate the dual-specificity protein phosphatases Cdc25A, Cdc25B, and Cdc25C, which control cell cycle transitions by dephosphorylating cyclin-dependent kinases. CHK1 can be autophosphorylated (PMID:22941630) and ubiquitinated (PMID:19276361). Activation of Chk1 involves phosphorylation at Ser317 and Ser345 by ATM/ATR, followed by autophosphorylation of Ser296. Activation occurs in response to blocked DNA replication and certain forms of genotoxic stress.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Chao Mei	35187743	Cell Prolif	WB
Yangyang Li	36930754	Research (Wash D C)	WB
Hyeoncheol Kim	36703617	Adv Sci (Weinh)	WB

Lagerung

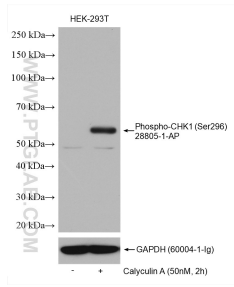
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

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



Non-treated HEK-293T and Calyculin A treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 28805-1-AP (Phospho-Chk1 (Ser296) antibody) at dilution of 1:2000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.