

For Research Use Only

Chk1 Recombinant antibody, PBS Only

Catalog Number: 84905-1-PBS



Basic Information

Catalog Number:	84905-1-PBS	GenBank Accession Number:	BC004202	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	1111	CloneNo.:	240618E11
Source:	Rabbit	UNIPROT ID:	O14757		
Isotype:	IgG	Full Name:	CHK1 checkpoint homolog (S. pombe)		
Immunogen Catalog Number:	AG22993	Calculated MW:	54 kDa		
		Observed MW:	55 kDa		

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

CHEK1(Checkpoint kinase-1) is also named as CHK1 and belongs to the protein kinase superfamily. It is implicated in a circuit in which it activates checkpoints, DNA repair and proliferating cell nuclear antigen and FANCD2 monoubiquitylation(PMID:21389083). CHEK1 protects vertebrate cells against spontaneous chromosome missegregation and is required to sustain anaphase delay when spindle function is disrupted by taxol(PMID:17276342). It has 3 isoforms produced by alternative splicing with the molecular mass of 54 kDa, 44 kDa and 50 kDa.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

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

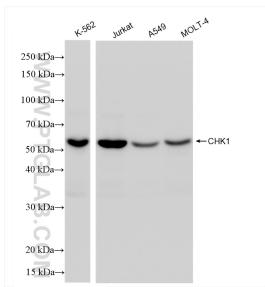
T: 4006900926

E: Proteintech-CN@ptglab.com

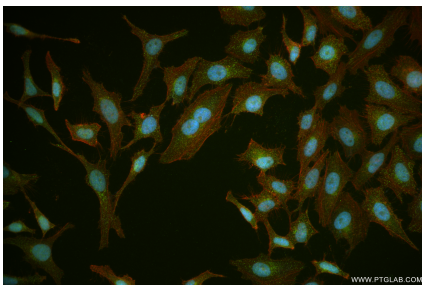
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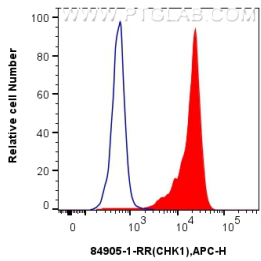
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84905-1-RR (CHK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84905-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CHK1 antibody (84905-1-RR, Clone: 240618E11) at dilution of 1:250 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84905-1-PBS in a different storage buffer formulation.



1x10⁶ K-562 cells were intracellularly stained with 0.25 ug Chk1 Recombinant antibody (84905-1-RR, Clone:240618E11) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 84905-1-PBS in a different storage buffer