

For Research Use Only

Chk1 Monoclonal antibody, PBS Only



Catalog Number: 60277-1-PBS

Basic Information

Catalog Number: 60277-1-PBS	GenBank Accession Number: BC004202	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 1111	CloneNo.: 3A3A5
Source: Mouse	UNIPROT ID: O14757	
Isotype: IgG2b	Full Name: CHK1 checkpoint homolog (S. pombe)	
Immunogen Catalog Number: AG0409	Calculated MW: 54 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC

Species Specificity:
human, mouse, rat

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.

Storage Buffer:
PBS Only

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

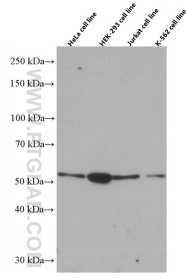
T: 4006900926

E: Proteintech-CN@ptglab.com

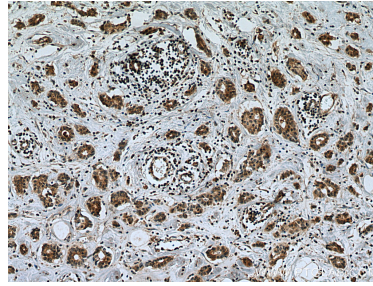
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60277-1-Ig (Chk1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60277-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60277-1-Ig (Chk1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60277-1-PBS in a different storage buffer formulation.