

Catalog Number	PA-RP 000011
Batch Number(s):	PA-B-0001-RP-CHK1
Product Name	Rabbit anti-Human Chk1 Polyclonal

PRODUCT SPECIFICATION

Host	Rabbit
Colonicity	Polyclonal
Subclass	IgG
Immunogen	Peptide sequences between Residues 92 and 142, referencing Uniprot and Gene ID 328
Conjugate	Unconjugated
Form	Liquid
Concentration	1.00 mg/mL
Purification	Affinity chromatography
Storage Buffer	Phosphate Buffer Saline, 10mM, pH 7.4
Preservative	Azide
Cryopreservative	Glycerol
Storage conditions	4°C. Avoid freeze/thaw cycles

APPLICATIONS

Western Blotting	1:250-1:1000
Immunocytochemistry / Microscopy	1:250-1:1000

PRODUCT DESCRIPTION

CHK1 (CHK1) is a conserved serine/threonine kinase that helps maintain DNA integrity by halting replication when damage occurs. It plays a central role in DNA damage checkpoints. Inhibiting CHK1 disrupts S and G2 checkpoints, causing p53-deficient cancer cells to undergo mitotic catastrophe and apoptosis, while normal cells remain arrested in G1. This makes CHK1 a promising cancer therapy target.

Uniprot ID	O14757
Gene ID	1111
Gene Symbol	CHK1
Gene Aliases	CHEK1; CHK1; OZEMA21

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