

Catalog Number	PA-RR 000022
Batch Number(s):	PA-B-0001-RR-Chk1
Product Name	Rabbit anti-Human Chk1 Recombinant Monoclonal (BLR048P)

PRODUCT SPECIFICATION

Host	Rabbit
Colonicity	Recombinant Monoclonal
Subclass	IgG
Immunogen	Chk1 Protein in a region between residue 248 and 298, referencing both Uniprot ID O14757 and Gene ID 1111
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 (CHEK1) is a serine/threonine checkpoint kinase activated primarily by ATR in response to replication stress and DNA damage. CHK1 phosphorylates CDC25 phosphatases to restrain CDK activity, delaying cell-cycle progression while DNA repair occurs. It also stabilizes stalled replication forks, limits inappropriate replication origin firing, and supports homologous recombination (HR). CHK1 is essential for maintaining replication fidelity and genomic stability.

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

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