



Anti-CHEK1 polyclonal antibody (CPBT-67536GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product is specific for human Cell Cycle Checkpoint Kinase Homologue 1 (CHK1). CHK1 has an important role at the G2 checkpoint in the cell cycle. CHK1 is activated in response to DNA damage, and serves to phosphorylate Cdc25, which results in cell cycle arrest. Recent studies suggest that CHK1 may also play a role in the S phase checkpoint
Specificity	CHEK1
Immunogen	Synthetic peptide corresponding to a region within human CHK1.
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IP; WB
Format	Purified IgG - liquid
Size	50 µg
Preservative	0.09% Sodium Azide
Storage	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CHEK1 checkpoint kinase 1 [Homo sapiens (human)]
Official Symbol	CHEK1
Synonyms	CHEK1; checkpoint kinase 1; CHK1; serine/threonine-protein kinase Chk1; Chk1-S; checkpoint kinase-1; CHK1 checkpoint homolog; cell cycle checkpoint kinase; Checkpoint, S. pombe, homolog of, 1;
Entrez Gene ID	1111
Protein Refseq	NP_001107593
UniProt ID	O14757
Chromosome Location	11q24.2
Pathway	Activation of ATR in response to replication stress; Cell Cycle; Cell Cycle Checkpoints; Cell cycle; Chk1/Chk2(Cds1) mediated inactivation of Cyclin B:Cdk1 complex; Circadian rhythm pathway; DNA damage response; DNA damage-induced cell cycle checkpoints;
Function	ATP binding; histone kinase activity (H3-T11 specific); protein binding; protein serine/threonine kinase activity;