



Anti-CHEK2 (aa 150-250) polyclonal antibody (DPABH-01579)

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

PRODUCT INFORMATION

Antigen Description	Regulates cell cycle checkpoints and apoptosis in response to DNA damage, particularly to DNA double-strand breaks. Inhibits CDC25C phosphatase by phosphorylation on Ser-216, preventing the entry into mitosis. May also play a role in meiosis. Regulates the TP53 tumor suppressor through phosphorylation at Thr-18 and Ser-20.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 150 - 250 of Human Chk2.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituent: PBS
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	CHEK2 checkpoint kinase 3 [Homo sapiens]
Official Symbol	CHEK2
Synonyms	CHEK2; checkpoint kinase 2; CDS1; CHK2; LFS2; RAD53; hCds1; HuCds1; PP1425; serine/threonine-protein kinase Chk2; cds1 homolog; CHK2 checkpoint homolog; checkpoint-like protein CHK2;
Entrez Gene ID	11200
Protein Refseq	NP_001005735.1
UniProt ID	O96017
Pathway	Cell Cycle; Cell cycle; Cell cycle; FOXM1 transcription factor network
Function	ATP binding; identical protein binding; metal ion binding; protein binding