

Datasheet for ABIN5689596
anti-CHEK2 antibody (AA 514-518)



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Overview

Quantity:	0.1 mg
Target:	CHEK2
Binding Specificity:	AA 514-518
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHEK2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Chk2 (Ab-516) antibody was raised against a peptide sequence around aa. 514~518 (Q-P-S-T-S) derived from Chk2.
Specificity:	This antibody detects endogenous levels of total Chk2 protein.
Purification:	Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Target Details

Target:	CHEK2
Alternative Name:	Chk2 (CHEK2 Products)
Background:	The BRCA1-BARD1 heterodimer coordinates a diverse range of cellular pathways such as DNA damage repair, ubiquitination and transcriptional regulation to maintain genomic stability. Acts by mediating ubiquitin E3 ligase activity that is required for its tumor suppressor function. Plays

Target Details

a central role in DNA repair by facilitating cellular response to DNA repair. Required for appropriate cell cycle arrests after ionizing irradiation in both the S-phase and the G2 phase of the cell cycle. Involved in transcriptional regulation of P21 in response to DNA damage. Required for FANCD2 targeting to sites of DNA damage. May function as a transcriptional regulator. Inhibits lipid synthesis by binding to inactive phosphorylated ACACA and preventing its dephosphorylation

Molecular Weight: 62 kDa

Gene ID: 11200

NCBI Accession: [NP_001005735](#)

UniProt: [O96017](#)

Pathways: [p53 Signaling](#), [Apoptosis](#), [Cell Division Cycle](#)

Application Details

Application Notes: Western Blot: 1:500~1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Antibody supplied in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store antibody at -20°C for up to one year.