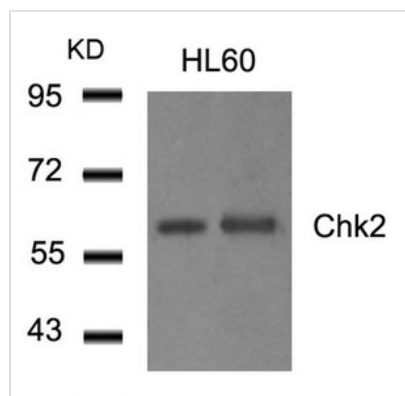




CHEK2 (Ab-516) Antibody

Product Code	CSB-PA074742
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	O96017
Immunogen	Peptide sequence around aa. 514~518(Q-P-S-T-S) derived from Human Chk2.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous levels of total Chk2 protein.
Tested Applications	ELISA,WB;WB:1:500-1:1000
Relevance	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 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 Melchionna, R. et al. (2000) Nat. Cell Biol. 2, 762-765. Ahn, J.Y. et al. (2000) Cancer Res. 60, 5934-5936. Lee, C.H. and Chung, J.H. (2001) J. Biol. Chem. 276, 30537-30541
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Clonality	Polyclonal
Alias	CHEK2; RAD53;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	CHEK2
Image	



Western blot analysis of extract from HL60 cells using Chk2(Ab-516) Antibody.