

Rabbit polyclonal antibody to human Checkpoint homolog CHK2 (427-441): Affinity purified

Catalogue No.:	R-1111-100
Description:	Checkpoint homolog CHK2 is an important cell cycle checkpoint regulator. The protein is rapidly activated by phosphorylation in response to DNA damage and to replication block. When activated, CHK2 is known to prevent entry into mitosis and has been shown to regulate the tumor suppressor protein p53, leading to cell cycle arrest in G1. At least 12 isoforms are produced by alternative splicing.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (FSEHRTQVSLKDQIT) corresponding to a region (427-441) from human Checkpoint homolog CHK2. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	Serine/threonine-protein kinase Chk2; EC 2.7.11.1; Cds1; CHEK2; CHK2; RAD53;
Accession:	O96017 CHK2_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Western Blotting (WB). A concentration of 0.75 ug/mL is recommended for WB. Human Checkpoint homolog CHK2 (isoform 1) has a predicted length of 543 residues and MW of 61 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Cross-reactivity:	Human; rat; predicted to react with mouse due to sequence homology;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase

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