

Datasheet for ABIN6990360
anti-CHEK2 antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	CHEK2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHEK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Chk2 antibody was raised against a synthetic peptide corresponding to amino acids near the amino terminus of human Chk2. The immunogen is located within the first 50 amino acids of Chk2.
Isotype:	IgG
Purification:	Chk2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CHEK2
Alternative Name:	Chk2 (CHEK2 Products)
Background:	Chk2 Antibody: The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 signaling, including Chk2, p53R2,

Target Details

p53AIP1, Noxa, PIDD, and PID/MTA2, were recently discovered. The checkpoint kinase Chk2 is the mammalian homologue of yeast Cds1/Rad53. In response to DNA damage, the checkpoint kinase ATM phosphorylates and activates Chk2, which in turn directly phosphorylates and activates p53. Chk2 serves as ATM downstream effector to mediate activation of p53. Chk2 also phosphorylates and activates BRCA1, the product of a tumor suppressor gene that is mutated in breast and ovarian cancer.

Molecular Weight: Predicted: 60 kDa

Observed: 60 kDa

Gene ID: 11200

NCBI Accession: [NP_009125](#)

UniProt: [O96017](#)

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

Application Details

Application Notes: Chk2 antibody can be used for detection of Chk2 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 1 µg/mL. For immunofluorescence start at 5 µg/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Chk2 Antibody is supplied in PBS containing 0.02 % sodium azide.

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, 4 °C

Handling

Storage Comment: Chk2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.