

Datasheet for ABIN499619

anti-CHEK2 antibody (N-Term)**2** Images[Go to Product page](#)

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), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human Chk2 (N-Terminus) Peptide
Isotype:	IgG
Specificity:	Chk2 antibody was raised against a synthetic peptide corresponding to amino acids near the amino terminus of human Chk2.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	CHEK2
Alternative Name:	CHK2 (CHEK2 Products)
Background:	The p53 tumor-suppressor gene integrates numerous signals that control cell life and death.

Target Details

Several novel molecules involved in p53 signaling, including Chk2 , p53R2 (2), p53AIP1 (3), Noxa (4), PIDD (5), and PID/MTA2 (6), 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 (7,8). 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 (9).Synonyms: CHEK-2, CHEK2, CHK-2, CHK2 checkpoint homolog, Cds1, RAD53, Serine/threonine-protein kinase Chk2

Gene ID: 11200

NCBI Accession: [NP_009125](#)

UniProt: [O96017](#)

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

Application Details

Application Notes: ELISA. Western Blot: Chk2 antibody can be used for detection of Chk2 at 0.5 to 1 µg/mL. A 60 kDaband can be detected. Immunocytochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

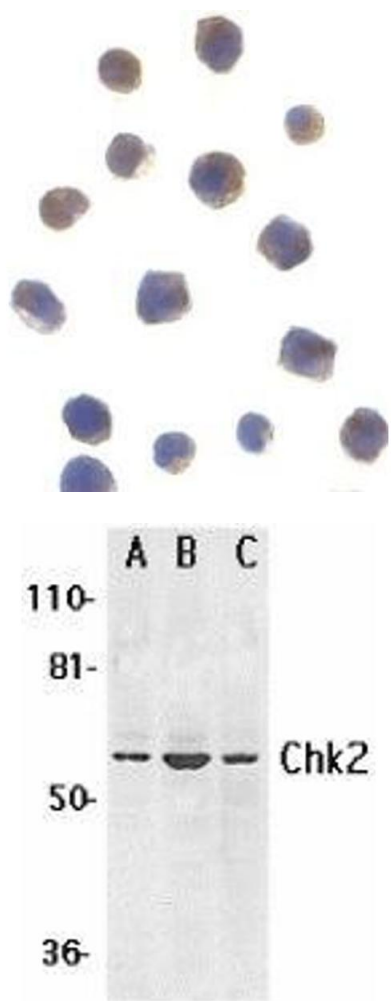
Buffer: PBS containing 0.02 % sodium azide.

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: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunofluorescence

Image 1. Immunocytochemistry of Chk2 in Jurkat cells with AP30226PU-N Chk2 antibody at 1 µg/ml.

Western Blotting

Image 2. Western blot analysis of Chk2 expression in K562 (A), Jurkat (B), and HL-60 (C) whole cell lysates with AP30226PU-N Chk2 antibody at 1 µg /ml.