

Rabbit Chk2 Polyclonal Antibody | anti-CHEK2 antibody

Chk2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40381	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Western Blot, ELISA

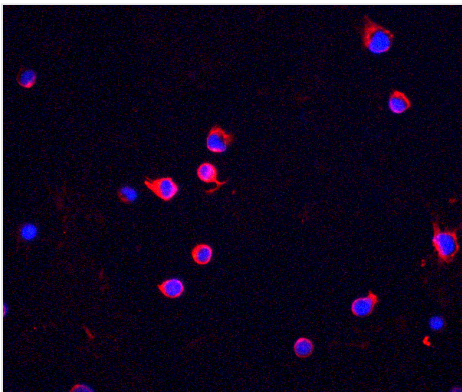
PRODUCT SYNONYMS

Chk2; Polyclonal Antibody; Chk2 Antibody; CDS1; CHK2; LFS2; RAD53; hCds1; HuCds1; PP1425; CHK2 checkpoint homolog; Hucds1; CHK2 checkpoint homolog (S. pombe); anti-CHEK2 antibody

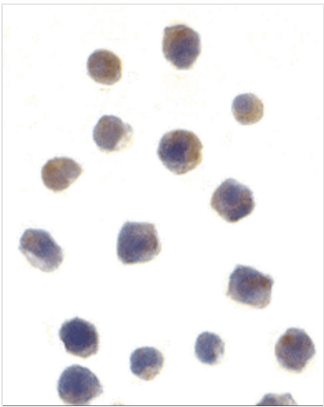
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Chk2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	543
Applicable Applications for anti-CHEK2 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Chk2 antibody was raised against a synthetic peptide corresponding to amino acids near the amino terminus of human Chk2.
Buffer	Chk2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Chk2 antibody can be stored at 4 degree C for three months and -20 degree 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.

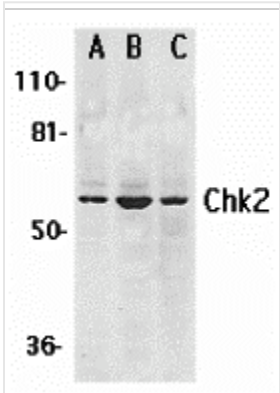
IMAGES



IF (Immunofluorescence)
Immunofluorescence of Chk2 in Jurkat cells with Chk2 antibody at 5 μg/mLRed: Chk2 Antibody (2391)Blue: DAPI staining



ICC (Immunocytochemistry)
Immunocytochemistry of Chk2 in Jurkat cells with Chk2 antibody at 1 μg/mL.



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

ADDITIONAL INFORMATION

Related Product Information for anti-CHEK2 antibody	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, 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6005850
NCBI GeneID	11200
NCBI Accession #	NP_009125
NCBI GenBank Nucleotide #	NM_007194.3
UniProt Accession #	O96017; Q6QA03; Q6QA04; Q6QA05; Q6QA06; Q6QA07; Q6QA08; Q6QA10; A8K3Y9; B7ZBF3; B7ZBF4; B7ZBF5
Molecular Weight	Predicted: 60 kDa Observed: 60 kDa

NCBI Official Full Name	serine/threonine-protein kinase Chk2 isoform a
NCBI Official Synonym Full Names	checkpoint kinase 2
NCBI Official Symbol	CHEK2
NCBI Official Synonym Symbols	CDS1; CHK2; LFS2; RAD53; hCds1; HuCds1; PP1425
NCBI Protein Information	serine/threonine-protein kinase Chk2; cds1 homolog; CHK2 checkpoint homolog; checkpoint-like protein CHK2
UniProt Protein Name	Serine/threonine-protein kinase Chk2
UniProt Gene Name	CHEK2
UniProt Synonym Gene Names	CDS1; CHK2; RAD53; Hucds1; hCds1
UniProt Entry Name	CHK2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chk2-antibody-immunocytochemistry-western-blot-elisa/40381>