

Rabbit anti-Human CHEK1 Polyclonal Antibody | anti-CHEK1 antibody

CHEK1(Phospho-Ser317) antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305390	Rabbit	Human	Immunofluorescence, Western Blot

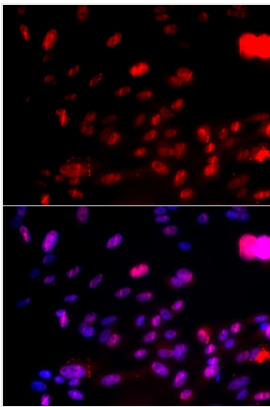
PRODUCT SYNONYMS

CHEK1; Polyclonal Antibody; CHEK1(Phospho-Ser317) antibody; CHK1; anti-CHEK1 antibody

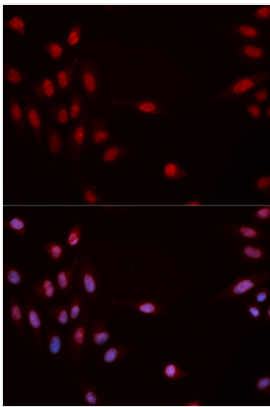
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of CHEK1 only when phosphorylated at serine 317.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	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.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	476
Applicable Applications for anti-CHEK1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	A phospho specific peptide corresponding to residues surrounding S317 of human CHEK1.
Modification	Phospho-Ser317
Target Name	CHEK1
Preparation and Storage	Store at -20 degree C

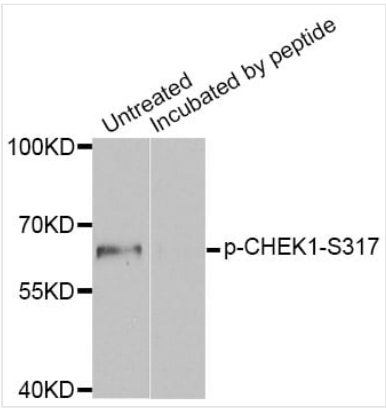
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cell using Phospho-CHEK1-S317 antibody. Blue: DAPI for nuclear staining. RNF168(GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.



IF (Immunofluorescence)
Immunofluorescence analysis of MCF7 cell using Phospho-CHEK1-S317 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of MCF7 cell line, using Phospho-CHEK1-S317 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CHEK1 antibody	The protein encoded by this gene belongs to the Ser/Thr protein kinase family. It is required for checkpoint mediated cell cycle arrest in response to DNA damage or the presence of unreplicated DNA. This protein acts to integrate signals from ATM and ATR, two cell cycle proteins involved in DNA damage responses, that also associate with chromatin in meiotic prophase I. Phosphorylation of CDC25A protein phosphatase by this protein is required for cells to delay cell cycle progression in response to double-strand DNA breaks. Several alternatively spliced transcript variants have been found for this gene.
Product Categories/Family for anti-CHEK1 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	166295194
NCBI GeneID	1111
NCBI Accession #	NP_001107593.1
NCBI GenBank Nucleotide #	NM_001114121.2
UniProt Accession #	O14757; A8K934; B4DDD0; B4DSK3; B5BTY6; F5H7S4; H2BI51
Molecular Weight	50,415 Da
NCBI Official Full Name	serine/threonine-protein kinase Chk1 isoform 1

NCBI Official Synonym Full Names	checkpoint kinase 1
NCBI Official Symbol	CHEK1
NCBI Official Synonym Symbols	CHK1
NCBI Protein Information	serine/threonine-protein kinase Chk1
UniProt Protein Name	Serine/threonine-protein kinase Chk1
UniProt Gene Name	CHEK1
UniProt Synonym Gene Names	CHK1
UniProt Entry Name	CHK1_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/chek1-antibody-immunofluorescence-western-blot-elisa/305390>