Chk2 Recombinant Antibody | CHEK2 recombinant antibody

Phospho-Chk2 (Thr68) Antibody, Rabbit MAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259506	**Rabbit**	**Human**	**Western Blot**

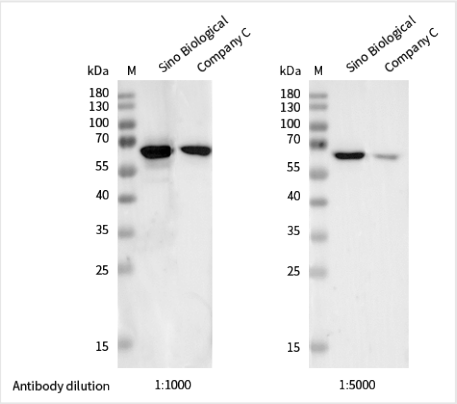
PRODUCT SYNONYMS

Chk2; Monoclonal Recombinant Antibody; Phospho-Chk2 (Thr68) Antibody; Rabbit MAb; checkpoint kinase 2; Anti-bA444G7 Antibody; Anti-CDS1 Antibody; Anti-CHK2 Antibody; Anti-hCds1 Antibody; Anti-HuCds1 Antibody; Anti-LFS2 Antibody; Anti-PP1425 Antibody; Anti-RAD53 Antibody; Anti-TPDS4 Antibody; CHEK2 recombinant antibody

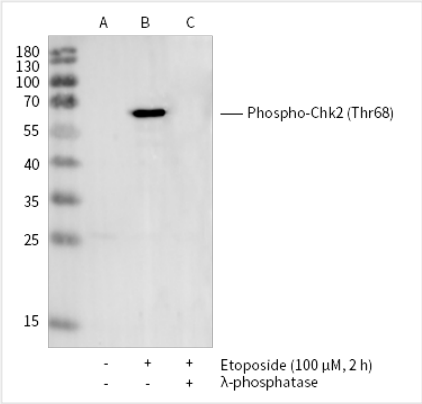
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	0032
Specificity	Human Phospho-Chk2 (Thr68)
Purity/Purification	Protein A
Form/Format	Liquid; 10 mM sodium HEPES, 150 mM NaCl, 100ug/mL BSA, 50% glycerol, pH 7.5
Applicable Applications for CHEK2 recombinant antibody	WB (Western Blot)
Immunogen	A synthetic phosphopeptide corresponding to residues around Thr68 of the Human Chk2
Preparation	This antibody was obtained from a rabbit immunized with a synthetic phosphopeptide corresponding to residues around Thr68 of the Human Chk2.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

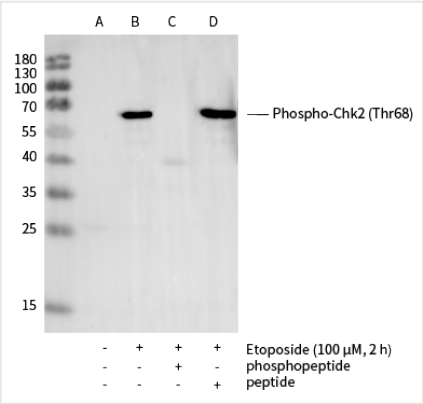
IMAGES



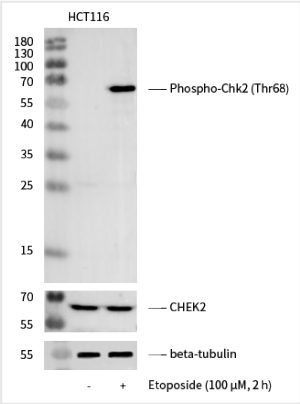
WB (Western Blot)
Western blot analysis of extracts from HCT116, treated with Etoposide (100uM, 2 h), using Phospho-Chk2 (Thr68) Antibody, Rabbit MAb (#AAA259506)(Sino Biological) and other brands' antibodies (Company C) at dilution of 1:1000, 1:5000. (Validation Experiment



WB (Western Blot)
Western blot analysis of extracts from HCT116, untreated (line A); treated with Etoposide (100uM, 2 h)(line B); treated with Etoposide and lambda-phosphatase (line C) using Phospho-Chk2 (Thr68) Antibody, Rabbit MAb (#AAA259506) at 1:500 dilution. (Validation Experiment



WB (Western Blot)
Western blot analysis of extracts from HCT116, untreated (line A); treated with Etoposide (100uM, 2 h), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-Chk2 (Thr68) Antibody, Rabbit MAb (#AAA259506) at 1:500 dilution. (Validation Experiment



WB (Western Blot)
Western blot analysis of extracts from HCT116, untreated (-) or treated with Etoposide (100uM, 2 h)(+), using Phospho-Chk2 (Thr68) Antibody, Rabbit MAb (#AAA259506) at 1:500 dilution(upper) or Anti-CHEK2 Antibody, Rabbit PAb (middle) at 1:1000 dilution or Beta-Tubulin Loading Control Antibody, Mouse Mab at 1:10000 dilution.

ADDITIONAL INFORMATION

Related Product Information for CHEK2 recombinant antibody	In response to DNA damage and replication blocks, cell cycle progression is halted through the control of critical cell cycle regulators. The protein encoded by CHEK2 gene is a cell cycle checkpoint regulator and putative tumor suppressor. It contains a forkhead-associated protein interaction domain essential for activation in response to DNA damage and is rapidly phosphorylated in response to replication blocks and DNA damage. When activated, the encoded CHEK2 protein is known to inhibit CDC25C phosphatase, preventing entry into mitosis, and has been shown to stabilize the tumor suppressor protein p53, leading to cell cycle arrest in G1. In addition, this protein interacts with and phosphorylates BRCA1, allowing BRCA1 to restore survival after DNA damage. Mutations in this gene have been linked with Li-Fraumeni syndrome, a highly penetrant familial cancer phenotype usually associated with inherited mutations in TP53. Also, mutations in CHEK2s gene are thought to confer a predisposition to sarcomas, breast cancer, and brain tumors. This nuclear protein is a member of the CDS1 subfamily of serine/threonine protein kinases. Several transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for CHEK2 recombinant antibody	p53 Pathway; Cancer Drug Targets Tumor Suppressors
References	Bogdanov. N. e. al. (2005. Associatio. o. tw. mutation. i. th. CHEK. gen. wit. breas. cancer. Cance. Genetics. 116(2. . 263-6. Don. XY. e. al. (2003. Mutation. i. CHEK. associate. wit. prostat. cance. risk. Th. America. journa. o. huma. genetics. 72(2. 270-80. Massin. MPG. Koo. IE. Marten. JWM. Waisfis. Q. Meijers-Heijboe. H. Genomi. profilin. o. CHEK2*1100delC-mutate. breas. carcinomas. BM. Cancer. 2015;15:877. doi:10.1186/s12885-015-1880-y.

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/monoclonal/chk2-recombinant-antibody-clone-0032-western-blot-elisa/259506