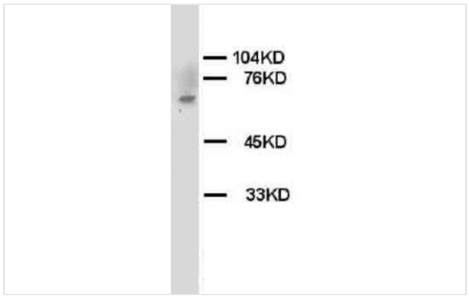
CHK2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHK2, Polyclonal Antibody
Full Product Name	CHK2 Antibody
Product Gene Name	anti-CHK2 antibody
Product Synonym Names	Affinity Purified Rabbit Polyclonal CHK2 Antibody; Polyclonal Chk2 antibody; Anti-Chk2 antibody; CHK 2; CHK2; CHK-2; Chk-2 antibody; CHK 2 antibody; CHK-2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Lyophilized Form
Purity/Purification	Affinity Chromatography
Preparation and Storage	Store at 4 degree C for short term storage. For long term storage aliquot and store at -20 degree C. Avoid repeated freeze/thaw cycles.
Immunogen	Polyclonal Chk2 antibody, Anti-Chk2 antibody, Chk-2 antibody was raised in Rabbit using a synthetic peptide corresponding to a sequence at the C-terminal of human CHK2, different from the related rat and Rabbit sequences by one amino acid, as the immunogen
Product Categories/Family for anti-CHK2 antibody	DNA & RNA
Applications Tested/Suitable for anti-CHK2 antibody	Western Blot (WB)
Related Product Information for anti-CHK2 antibody	CHK2 is the mammalian homologue of yeast Cds1/Rad53. In response to DNA damage, a checkpoint kinase ATM phosphorylates and activates Chk2, which in turn phosphorylates and activates p53. Chk2 also phosphorylates and activates BRCA1, the product of a tumor suppressor gene that is mutated in breast and ovarian cancer.
Other Notes	Small volumes of anti-CHK2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CHK2 purchase	MBS5312608 is an antibody targeting CHK2. Also known as CHK2 Antibody. Host: Rabbit.



Western Blot (WB) of anti-CHK2 antibody
Western Blot using MCF-7 Cell Lysate

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHK2. It may not necessarily be applicable to this product.

NCBI GI #	11034732
NCBI GeneID	11200
UniProt Related Accession #	O96017
NCBI Official Full Name	CHK2, partial
NCBI Official Synonym Full Names	checkpoint kinase 2
NCBI Official Symbol	CHEK2
NCBI Official Synonym Symbols	CDS1; CHK2; LFS2; RAD53; hCds1; HuCds1; PP1425
Protein Family	Serine/threonine-protein kinase
NCBI Protein Information	serine/threonine-protein kinase Chk2
NCBI Summary for CHK2	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 this 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 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 this 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. [provided by RefSeq, Apr 2012]
Research Articles on CHK2	**1.** a newly identified CHEK2 variant is described.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-antibody/chk2/5312608