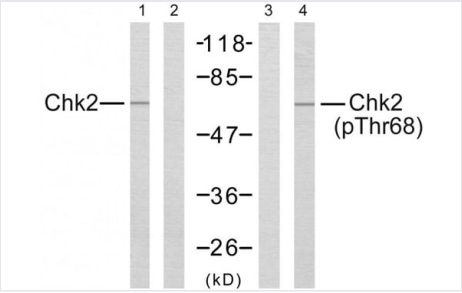
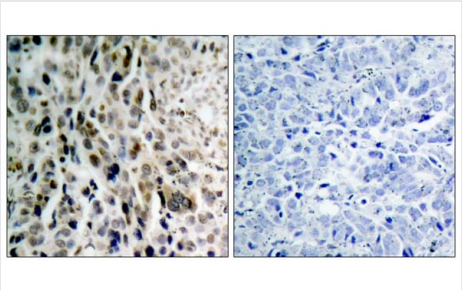
CHK2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHK2, Polyclonal Antibody
Full Product Name	CHK2 Antibody (Thr68)
Product Gene Name	anti-CHK2 antibody
Product Synonym Names	Rabbit Polyclonal CHK2 Antibody (Thr68); Polyclonal Chk2 antibody; Anti-Chk2 antibody; Cds1 antibody; checkpoint-like protein CHK2 antibody; CHEK2 antibody; CHK2 antibody; CHK2 checkpoint homolog (S. pombe) antibody; HuCds1 antibody; LFS2 antibody; PP1425 antibody; protein kinase CHK2 antibody; RAD53 antibody; Serine/threonine-protein kinase Chk2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied in PBS buffer (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol
Purity/Purification	Affinity Chromatography
Concentration	1 mg/ml (lot specific)
Specificity	Chk2 antibody (Thr68) detects endogenous levels of Chk2 only when phosphorylated at threonine 68
Preparation and Storage	Store at -20 degree C in small aliquots. Avoid repeat freeze/thaw cycles.
Immunogen	Chk2 antibody was raised in Rabbit using a synthesized phosphopeptide derived from human Chk2 around the phosphorylation site of threonine 68 (V-S-TP-Q-E) as the immunogen.
Cross-Reactivity	Mouse, Rat
Product Categories/Family for anti-CHK2 antibody	DNA & RNA
Applications Tested/Suitable for anti-CHK2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CHK2 antibody	WB: 1:500-1:1000 IHC: 1:50-1:100
Related Product Information for anti-CHK2 antibody	Chk2 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.
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	MBS5313510 is an antibody targeting CHK2. Also known as CHK2 Antibody (Thr68). Host: Rabbit.



Western Blot (WB) of anti-CHK2 antibody
Western blot analysis of extract from Jurkat cells, using Chk2 antibody and Chk2 antibody (Thr68) (Lanes 3 and 4)



Immunohistochemistry (IHC) of anti-CHK2 antibody
Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Chk2 antibody (Thr68)

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.
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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.

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