

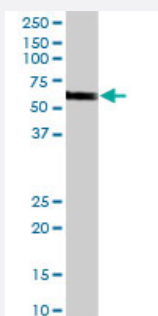
MaxPab®

CHEK2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00011200-D01P

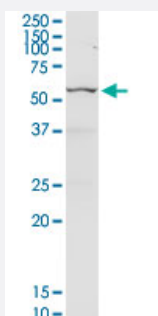
Size 100 ug

Applications



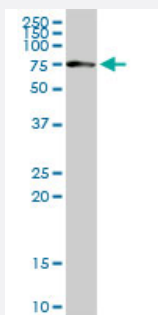
Western Blot (Tissue lysate)

CHEK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of CHEK2 expression in mouse kidney.



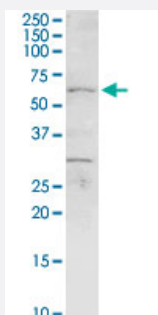
Western Blot (Tissue lysate)

CHEK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of CHEK2 expression in mouse spleen.



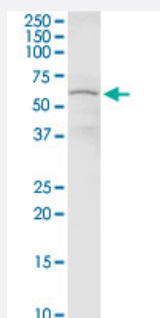
Western Blot (Cell lysate)

CHEK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of CHEK2 expression in A-431. (CHEK2 is a phosphoprotein which increases the size of the protein. The actual band size observed may differ from that predicted.)



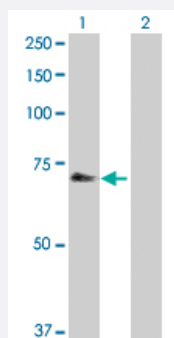
Western Blot (Cell lysate)

CHEK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of CHEK2 expression in PC-12.



Western Blot (Cell lysate)

CHEK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of CHEK2 expression in HeLa.



Western Blot (Transfected lysate)

Western Blot analysis of CHEK2 expression in transfected 293T cell line ([H00011200-T02](#)) by CHEK2 MaxPab polyclonal antibody.

Lane 1: CHEK2 transfected lysate(60.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CHEK2 protein.
Immunogen	CHEK2 (NP_009125.1, 1 a.a. ~ 543 a.a) full-length human protein.
Sequence	MSRESDV EAQQSHGSSACSQPHGSVTQSQGSSSSQSGISSSSSTSTMPNSSQSSHSSSGTLSSL ETVSTQELYSIPEDQEPEDQEPEPTPAPWARLWALQDGFANLECVNDNYWFGDRKSCEYCFD EPLLKRTDKYRTYSKKHFRIFREVGPKNSYIAYIEDHSGNGTFVNTLVGKGKRRPLNNNSEIALSLS RNKVFVFFDLTVDDQSVYPKALRDEYIMSKTLGSGACGEVKLA FERKTCKKVAIKIISKRFKFAIGSA READPALNVETEIEILKKLNHPCIIKIKNFFDAEDYYVLELMEGGELFDKVVGNKRLKEATCKLYFYQ MLLAVQYLHENGIIHRDLKPENVLLSSQEEDCLIKITDFGHSKILGETSLMRTLCTPTYL APEVLVS VG TAGYNRAVDCWSLGVILFICLSGYPPFSEHRTQVSLKDQITSGKYNFIPEVWAEVSEKALDLVK KLLVVDPKARFTTEEALRHPWLQDEDMKRKFQDLLSEENESTALPQVLAQPSTSRKRPREGEA EGAETTKRPAVCAAVL
Host	Rabbit
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (83); Rat (83)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

CHEK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of CHEK2 expression in mouse kidney.

[Protocol Download](#)

- Western Blot (Tissue lysate)

CHEK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of CHEK2 expression in mouse spleen.

[Protocol Download](#)

- Western Blot (Cell lysate)

CHEK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of CHEK2 expression in A-431.(CHEK2 is a phosphoprotein which increases the size of the protein. The actual band size observed may differ from that predicted.)

[Protocol Download](#)

- Western Blot (Cell lysate)

CHEK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of CHEK2 expression in PC-12.

[Protocol Download](#)

- Western Blot (Cell lysate)

CHEK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of CHEK2 expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of CHEK2 expression in transfected 293T cell line ([H00011200-T02](#)) by CHEK2 MaxPab polyclonal antibody.

Lane 1: CHEK2 transfected lysate(60.90 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — CHEK2

Entrez GeneID [11200](#)

GeneBank Accession# [NM_007194.3](#)

Protein Accession#	NP_009125.1
Gene Name	CHEK2
Gene Alias	CDS1, CHK2, HuCds1, LFS2, PP1425, RAD53
Gene Description	CHK2 checkpoint homolog (S. pombe)
Omim ID	114480 176807 259500 604373 609265
Gene Ontology	Hyperlink
Gene Summary	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. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000028871 checkpoint-like protein CHK2 protein kinase CHK2 serine/threonine-protein kinase CHK2

Pathway

- [Cell cycle](#)
- [p53 signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Ataxia telangiectasia](#)
- [Atherosclerosis](#)
- [Barrett Esophagus](#)

- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cell Transformation](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [DNA Damage](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hypertension](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mouth Neoplasms](#)

- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neoplastic Syndromes](#)
- [Neuroma](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)