

# Chek2 Rabbit pAb

**Catalog No.: A23664**

## Basic Information

### Observed MW

62-68kDa

### Calculated MW

61kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human, Mouse

## Background

Enables protein kinase activity. Acts upstream of or within cellular response to gamma radiation; peptidyl-serine phosphorylation; and signal transduction by p53 class mediator. Predicted to be located in Golgi apparatus and PML body. Predicted to be active in cytoplasm and nucleus. Predicted to colocalize with chromosome, telomeric region. Is expressed in several structures, including central nervous system; genitourinary system; and liver. Human ortholog(s) of this gene implicated in several diseases, including Li-Fraumeni syndrome 2; breast cancer (multiple); colorectal cancer; osteosarcoma; and prostate cancer. Orthologous to human CHEK2 (checkpoint kinase 2).

## Recommended Dilutions

**WB** 1:1000 - 1:5000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

50883

### Swiss Prot

Q9Z265

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

CHK2; Cds1; Rad53; HUCDS1; Chek2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

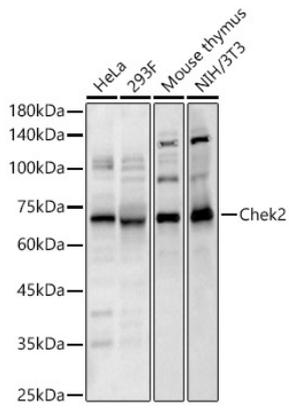
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of various lysates, using Chek2 Rabbit pAb (A23664) at 1:3000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.