

## Chk2 Polyclonal Antibody

<b>CATALOG #:</b>	3305-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide corresponding to amino acid near the N-terminus of human Chk2.
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-Chk2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

### STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

### BACKGROUND:

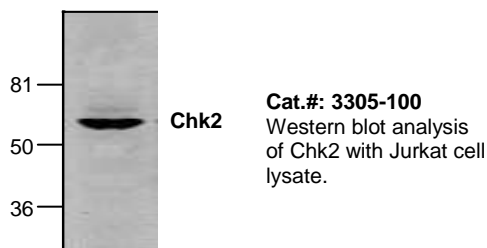
Chk2 is the mammalian homologue of yeast Cds1/Rad53. In response to DNA damage, a checkpoint kinase ATM phosphorylates and activates Chk2, which in turn phosphorylates and activates p53. Chk2 also phosphorylates and activates BRCA1, the product of a tumor suppressor gene that is mutated in breast and ovarian cancer.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml) and immunofluorescence (5-10 µg/ml). However, the optimal conditions should be determined individually.

### SPECIFICITY:

The antibody detects the 60 kDa Chk2 of human, mouse, and rat origins. Jurkat cell lysate can be used as a positive control.



### RELATED PRODUCTS:

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- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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