

Chk2 Polyclonal Antibody

CATALOG #:	3305-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide corresponding to amino acid near the N-terminus of human Chk2.
SPECIES REACTIVITY:	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/thaw cycles.

BACKGROUND:

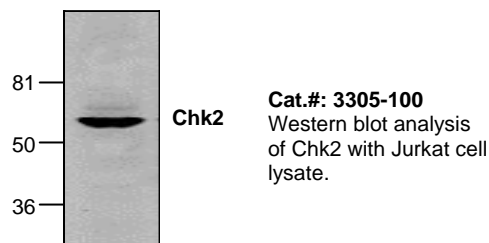
Chk2 is the mammalian homologue of yeast Cds1/Rad53. In response to DNA damage, a checkpoint kinase ATM phosphorylates and activates Chk2, which in turn phosphorylates and activates p53. Chk2 also phosphorylates and activates BRCA1, the product of a tumor suppressor gene that is mutated in breast and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

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

Cell Fractionation System

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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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