

## Phospho-MAPKAPK-2 Polyclonal Antibody

**CATALOG #:** 3434-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide corresponding to residues surrounding Thr334 of human MAPKAPK-2

**FORMULATION:**

100 µg (0.5 mg/ml) antigen affinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

**SPECIES REACTIVITY:** Human, Mouse

**STORAGE CONDITIONS:**

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

**BACKGROUND:**

MAP kinase-activated protein kinase-2 (MAPKAPK-2), also known as p45 hsp27 kinase, is a 45-54 kDa serine-threonine protein kinase. MAPKAPK-2 is rapidly phosphorylated and activated in response to stress, cytokines, and chemotactic factors. One of the major substrates of MAPKAPK-2 is hsp27, which stimulates actin polymerization in order to facilitate recovery from destruction of cytoskeleton during cellular stresses. Two isoforms are produced due to alternative splicing of the same gene which differs in their C-terminals. This antibody recognizes both isoforms.

**APPLICATION AND USAGE:**

The antibody can be used for Western blotting (1 µg/ml). However, the optimal conditions should be determined individually.

**SPECIFICITY:**

The antibody detects phosphorylated MAPKAPK-2 (Thr334) of human and mouse origins. Reactivity to other species has not been tested.

*FOR RESEARCH USE ONLY. Not to be used on humans.*

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- Caspase Assay Kits & Reagents
- 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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