

MAPKAPK2 Rabbit Anti-Mouse Mitogen-Activated Protein Kinase-Activated Protein Kinase 2 Affinity Purified pAb

Catalog No. CPM111 Quantity: 100 µg

Alternate Names: MK2

Gene ID: 17164

Description: Rabbit Anti-Mouse MAPKAPK2 Affinity Purified polyclonal antibody. MAPKAPK2, also

known as p45 hsp27 kinase, is a 45-54 kDa serine-threonine protein kinase that contains a proline rich sequence and two putative SH3-binding sites. MAPKAPK2 is activated in

response to stress, IL1, and TNF, possibly catalyzed by p38/Hog-dependent

phosphorylation. Hsp27 is one of the major substrates of MAPKAPK2; it stimulates actin polymerization in order to facilitate recovery from destruction of the cytoskeleton during cellular stresses. Two isoforms differing in their C-terminals are produced due to alternative splicing of the same gene. This antibody recognizes both isoforms.

Concentration: 0.5 mg/ml

Specificity: Recognizes both 43 and 60 kDa isoforms, corresponding to the apparent molecular mass

of MAPKAPK2 on SDS-PAGE immunoblots. These 43 kDa and 60 kDa bands can be

specifically inhibited by the relevant peptide.

Host: Rabbit

Immunogen: Synthetic peptide surrounding amino acid 365 of mouse MAPKAPK2

Formulation: Liquid in PBS, pH 7.2 + 30% glycerol + 0.5% BSA + 0.01% thimerosal. Precaution:

Thimerosal is a poisonous and hazardous substance which should be handled by trained

staff only.

Purification: Biospecific affinity chromatography

Cross-Reactivity: Reacts with human, rat, dog, cow, and hamster.

Applications: Western Blot

Immunoprecipitation

Application Notes: For Western Blot, use a working dilution of 0.5-4 μg/ml.

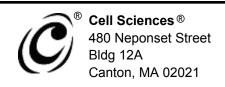
Blocking peptide (Cat. No. CPM111BP) is available separately.

The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Store at -20°C or in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

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