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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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