

## Anti-MAPKAPK-2 (Ab-334) Antibody

Catalog Number: A01193

### About MAPKAPK2

MAPKAPK-2 encodes a member of the Ser/Thr protein kinase family. This kinase is regulated through direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase is known to be involved in many cellular processes including stress and inflammatory responses, nuclear export, gene expression regulation and cell proliferation. Heat shock protein HSP27 was shown to be one of the substrates of this kinase in vivo. Two transcript variants encoding two different isoforms have been found for this gene.

Rouse, J. et al. (1994) Cell 78, 1027-1037.

Ben-Levy, R. et al. (1995) EMBO J. 14, 5920-5930.

### Overview

Product Name	Anti-MAPKAPK-2 (Ab-334) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MAPKAPK-2 (Ab-334) Antibody (Catalog # A01193). Tested in WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, WB
Clonality	Polyclonal
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P49137

### Technical Details

Immunogen	Peptide sequence around aa.332~336 (P-Q-T-P-L) derived from Human MAPKAPK-2.
Predicted Reactive Species	Bovine, Canine, Equine, Guinea Pig, Rabbit, Yeast, Zebrafish
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates.

Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Suggested Dilutions

Predicted MW: 49kd  
Western blotting: 1:500~1:1000  
Immunofluorescence: 1:100~1:200

## Anti-MAPKAPK-2 (Ab-334) Antibody (A01193) Images

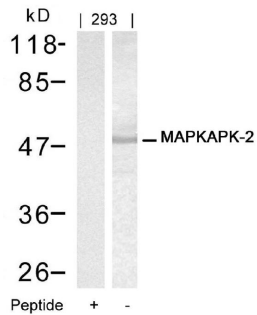
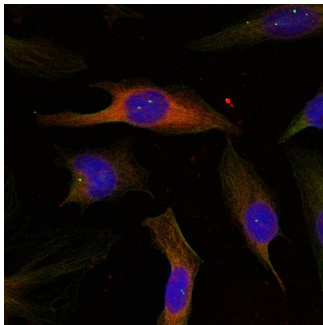


Figure 1. Western blot analysis of MAPKAPK2 using anti-MAPKAPK2 antibody (A01193). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MAPKAPK2 antigen affinity purified polyclonal antibody (Catalog # A01193) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-Rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # SA1022) with Tanon 5200 system. A specific band was detected for MAPKAPK2.



Immunofluorescence staining of methanol-fixed HeLa cells using MAPKAPK-2(Ab-334) Antibody #A01193.

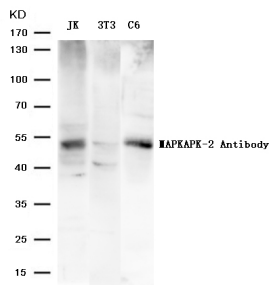


Figure 3. Western blot analysis of MAPKAPK2 using anti-MAPKAPK2 antibody (A01193). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MAPKAPK2 antigen affinity purified polyclonal antibody (Catalog # A01193) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-Rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # SA1022) with Tanon 5200 system. A specific band was detected for MAPKAPK2.

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