

Anti-Phospho-MAPKAPK-2 (Thr334) Antibody

Catalog Number: P01193

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

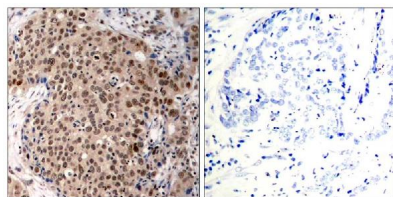
Product Name	Anti-Phospho-MAPKAPK-2 (Thr334) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-MAPKAPK-2 (Thr334) Antibody (Catalog # P01193). Tested in WB, IHC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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

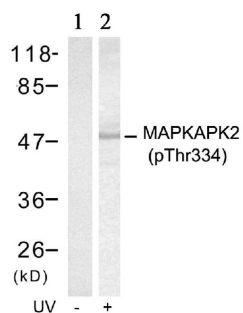
Immunogen	Peptide sequence around phosphorylation site of threonine 334 (P-Q-T(p)-P-L) derived from Human MAPKAPK-2.
Predicted Reactive Species	Bovine, Chicken, Xenopus Laevis, Xenopus Tropicalis, Zebrafish
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Predicted MW: 49kd</p> <p>Western blotting: 1:500~1:1000</p> <p>Immunohistochemistry: 1:50~1:100</p> <p>Immunofluorescence: 1:100~1:200</p>

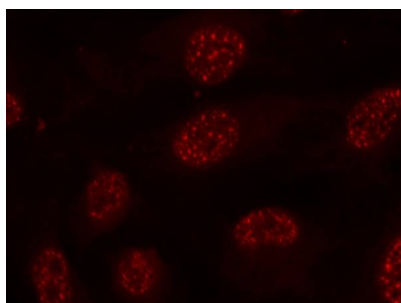
Anti-Phospho-MAPKAPK-2 (Thr334) Antibody (P01193) Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MAPKAPK-2(Phospho-Thr334) antibody P01193(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from Hela cells untreated(lane 1) or treated with UV(lane 2) using MAPKAPK-2(Phospho-Thr334) antibody P01193.



Immunofluorescence staining of methanol-fixed Hela cells using MAPKAPK-2(Phospho-Thr334) antibody P01193.

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