



MAPKAPK2 (Phospho-Thr334) Antibody

#11308

Catalog Number: 11308-1, 11308-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : P49137

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human MAPKAPK-2 around the phosphorylation site of threonine 334 (P-Q-T_P-P-L).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide.

The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

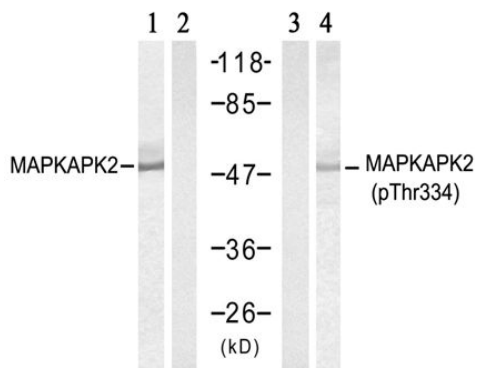
Specificity/Sensitivity: MAPKAPK-2 (Phospho-Thr334) antibody detects endogenous levels of MAPKAPK-2 only when phosphorylated at threonine 334.

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 49kd

WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:200



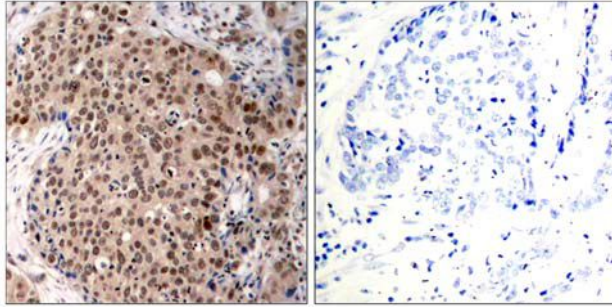
UV + + + +

Peptide - + - -

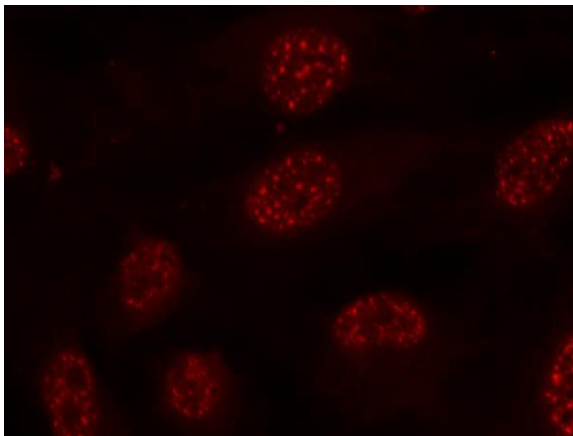
P-Peptide - - + -

Western blot analysis of extract from HeLa cells treated with UV (20min), using MAPKAPK-2 (Ab-334) antibody (#21308, Lane 1

and 2) and MAPKAPK-2 (Phospho-Thr334) antibody (#11308, Lane 3 and 4).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using MAPKAPK-2 (Phospho-Thr334) antibody (#11308).



Immunofluorescence staining of methanol-fixed HeLa cells using MAPKAPK-2(Phospho-Thr334) antibody (#11308, Red).

Background :

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.

References:

Rouse, J. et al. (1994) Cell 78, 1027-1037.
Ben-Levy, R. et al. (1995) EMBO J. 14, 5920-5930.