



MAPKAPK2 (Ab-334)

Antibody

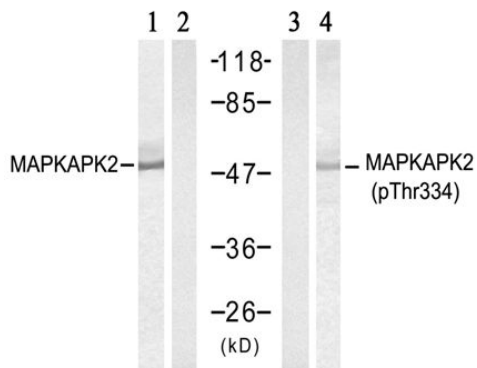
#21308

**Catalog Number:** 21308-1, 21308-2**Amount:** 50µg/50µl, 100µg/100µl**Swiss-Prot No. :** P49137**Form of Antibody:** Rabbit IgG 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/Stability:** Store at -20°C/1 year**Immunogen:** The antiserum was produced against synthesized non-phosphopeptide derived from Human MAPKAPK-2 around the phosphorylation site of threonine 334 (P-Q-T<sub>P</sub>-P-L).**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.**Specificity/Sensitivity:** MAPKAPK-2 (Ab-334) antibody detects endogenous levels of total MAPKAPK-2 protein.**Reactivity:** Human, Mouse, Rat**Applications:**

Predicted MW: 49kd

WB: 1:500~1:1000

IF: 1:100~1:200



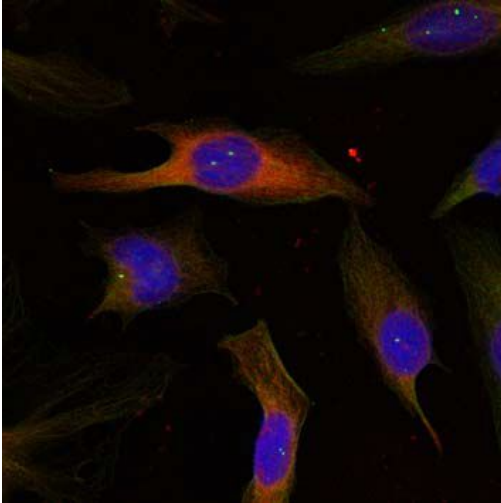
UV                   + + + +

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).



Immunofluorescence staining of methanol-fixed HeLa cells using  
MAPKAPK-2 (Ab-334) antibody (#21308,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.