



p44/42 MAP Kinase (Phospho-Tyr204)

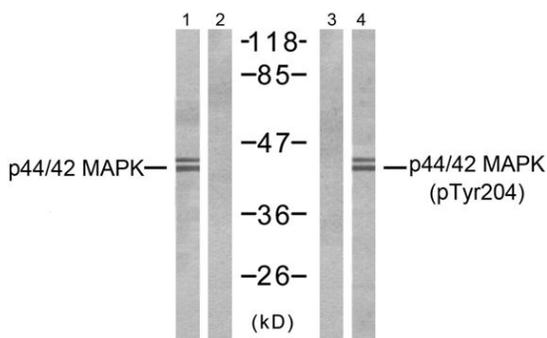
Antibody

#11246

Catalog Number: 11246-1, 11246-2**Amount:** 50µg/50µl, 100µg/100µl**Swiss-Prot No. :** P27361**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 p44/42 MAP Kinase around the phosphorylation site of tyrosine 204 (T-E-Y^P-V-A).**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:** p44/42 MAP Kinase (phospho-Tyr204) antibody detects endogenous levels of p44/42 MAP Kinase only when phosphorylated at tyrosine 204**Reactivity:** Human, Mouse, Rat**Applications:**

Predicted MW: 42 44 kd

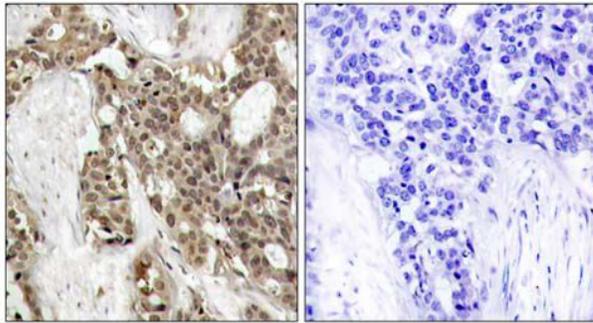
WB: 1:500~1:1000 IF:1:100~1:200 IHC:1:50~1:100



Peptide - + - -

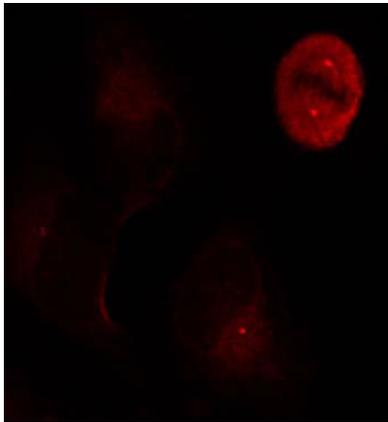
P-Peptide - - + -

Western blot analysis of extracts from NIH-3T3 cells, using p44/42 MAP Kinase (Ab-204) antibody (#21238, Line 1 and 2) and p44/42 MAP Kinase (phospho-Tyr204) antibody (#11246, Line 3).



P-Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using p44/42 MAP Kinase (phospho-Tyr204) antibody (#11246).



Immunofluorescence staining of methanol-fixed HeLa cells showing centrosome and nuclear staining using p44/42 MAP Kinase (phospho-Tyr204) antibody (#11246).

Background :

Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1

References:

- TETE HANNKEN, et al. (2000) Am Soc Nephrol 11:1387-1397
Omar D. Perez Nature et al. (2002) Biotechnology 20: 155 - 162
Jingui Yu, et al. (2005) Anesth Analg 101: 315-321
Hironobu Ihn et al. (2000) Immunology 165: 2149-2155