p44/42 MAP Kinase(Phospho-Thr202) Antibody

#11245

Catalog Number: 11245-1, 11245-2

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℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human p44/42 MAP Kinase around the phosphorylation site of threonine 202 (F-L-Tp-E-Y).

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.

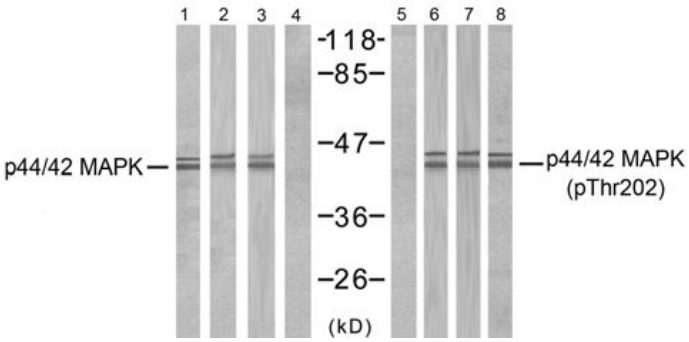
Specificity/Sensitivity:p44/42 MAP Kinase (phospho-Thr202) antibody detects endogenous levels of p44/42 MAP Kinase only when phosphorylated at threonine 202

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

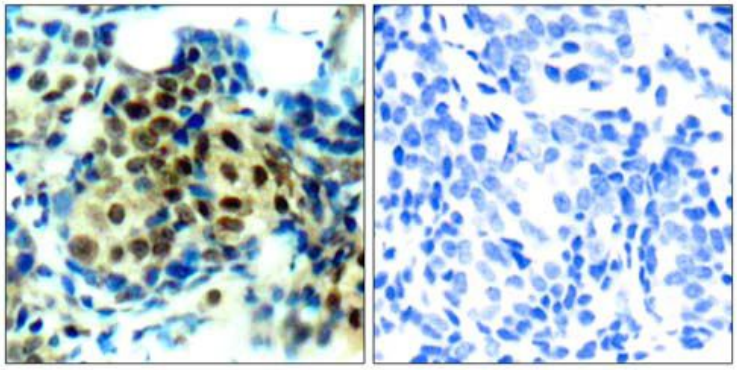


NACl − − − − − + − − 0.7M, 30min

TNF-α − + − − − − + + 20ng/ml, 30min

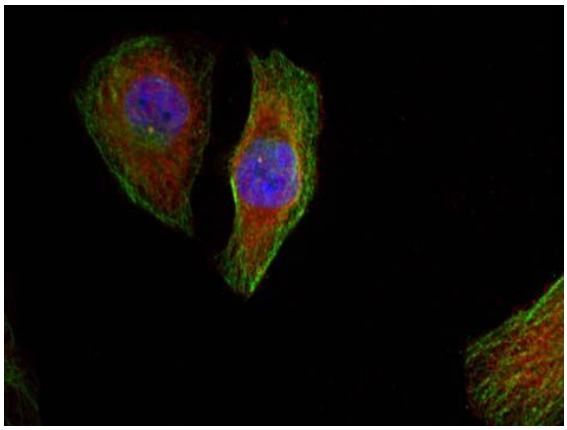
Peptide − − − + − − − −

Western blot analysis of extracts from MCF7, 293, A431,A2780 and Hela cells, using p44/42 MAP Kinase (Ab-202)antibody (#21237, Line 1 2 3 4) and p44/42MAP Kinase(phospho-Thr202) antibody (#11245, Line 5 6 7 8).



P-Peptide − +

Immunohistochemical analysis of paraffin-embeddedhuman breast carcinoma tissue, using p44/42 MAP Kinase (phospho-Thr202) antibody (#11245).



Immunofluorescence staining of methanol-fixed HeLa cells showing centrosome and nuclear staining using p44/42 MAP Kinase (phospho-Thr202) antibody (#11245).

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. PerezNature 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