p44/42 MAP Kinase(Phospho-Thr202) Antibody

Catalog No: #11245

Package Size: #11245-1 50ul #11245-2 100ul #11245-4 25ul

Overview

Product Name	p44/42 MAP Kinase(Phospho-Thr202) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	p44/42 MAP Kinase
Modification	Phospho-Thr202
Alternative Names	ERK; ERT2; Extracellular signal- regulated kinase 1; Insulin-stimulated MAP2 kinase; MAP kinase 1

Application Details

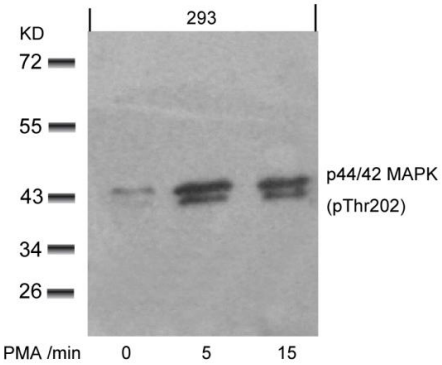
Predicted MW: 42 44 kd

Western blotting: 1:500~1:1000

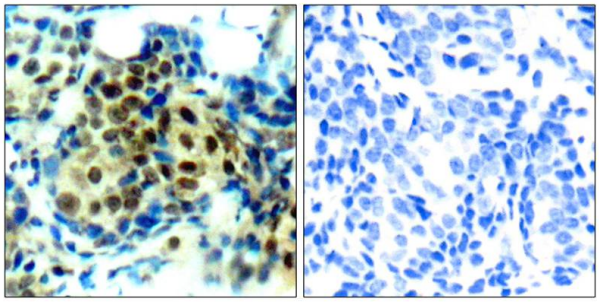
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

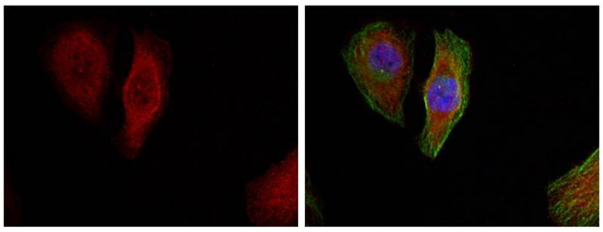
Images



Western blot analysis of extracts from 293 cells untreated or treated with PMA for the indicated times, using p44/42 MAP Kinase(Phospho-Thr202) Antibody #11245.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p44/42 MAP Kinase (Phospho-Thr202) Antibody #11245 (left) or the same antibody preincubated with blocking peptide #51245 (right).



Immunofluorescence staining of methanol-fixed Hela cells showing cytoplasmic, nuclear staining using p44/42 MAP Kinase (Phospho-Thr202) Antibody #11245.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of threonine 202 (F-L-T(p)-E-Y) derived from Human p44/42 MAP Kinase.
Specificity	The antibody detects endogenous level of p44/42 MAP Kinase only when phosphorylated at threonine 202.
Purifiction	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 chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P27361NCBI Protein: NP_001035145.1

Related Information

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

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

Note: This product is for in vitro research use only and is not intended for use in humans or animals.