

P38 MAPK(Phospho-Thr180) Antibody

Catalog No: #11252



Package Size: #11252-1 50ul #11252-2 100ul #11252-4 25ul

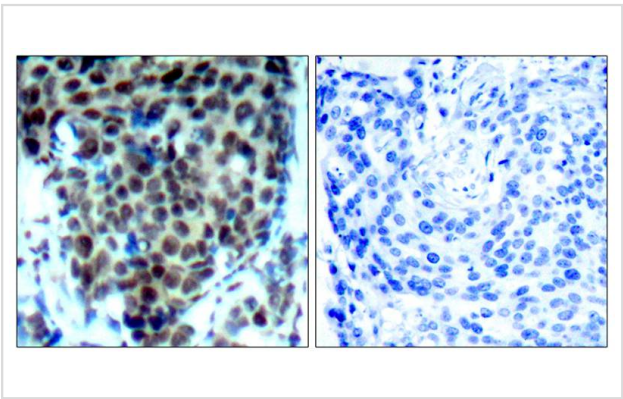
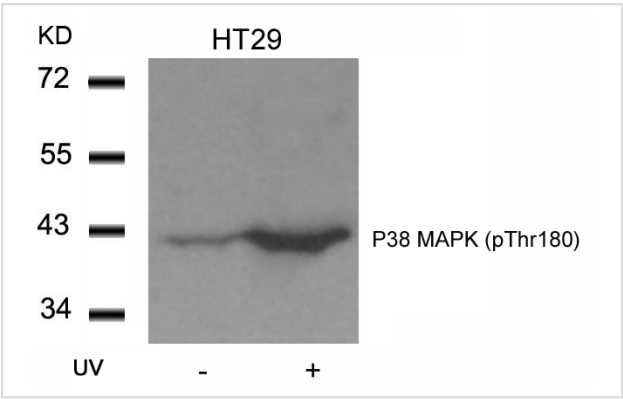
Overview

Product Name	P38 MAPK(Phospho-Thr180) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	P38 MAPK
Modification	Phospho-Thr180
Alternative Names	MAPK2; MAPKAPK-2; MAPKAPK2

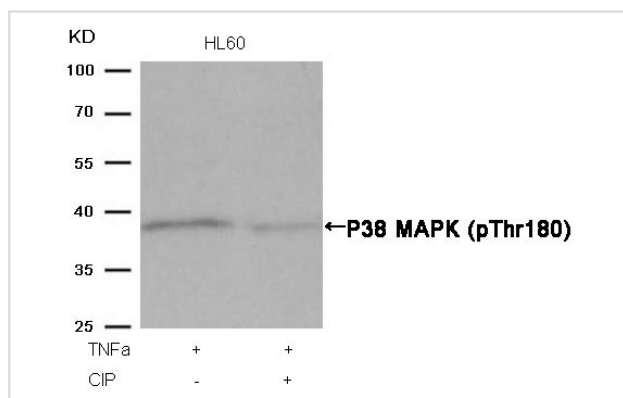
Application Details

Predicted MW: 43kd
Western blotting: 1:500~1:1000
Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using P38 MAPK(Phospho-Thr180) Antibody #11252(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from HL60 cells, treated with TNFα or calf intestinal phosphatase (CIP), using P38 MAPK (Phospho-Thr180) Antibody #11252.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of threonine 180 (E-M-T(p)-G-Y) derived from Human P38MAPK.
Specificity	The antibody detects endogenous level of P38 MAPK only when phosphorylated at Threonine 180.
Purification	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 chromatography using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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: Q16539NCBI Protein: NP_001306.1

Related Information

Responds to activation by environmental stress, pro-inflammatory cytokines and lipopolysaccharide (LPS) by phosphorylating a number of transcription factors, such as ELK1 and ATF2 and several downstream kinases, such as MAPKAPK2 and MAPKAPK5. Plays a critical role in the production of some cytokines, for example IL-6. May play a role in stabilization of EPO mRNA during hypoxic stress. Isoform Mxi2 activation is stimulated by mitogens and oxidative stress and only poorly phosphorylates ELK1 and ATF2. Isoform Exip may play a role in the early onset of apoptosis.

Kim JE, et al. (2005) J Proteome Res Jul-Aug; 4(4): 1339-1346

Meng F, et al. (2005) Am J Physiol Cell Physiol May 25

Jin ZH, et al. (2005)Oncogene Mar 17; 24(12): 1973-1981

Published Papers

Diansan Su, Yang Gu, Zhenhong Wang et al., Lidocaine Attenuates Proinflammatory Cytokine Production Induced by Extracellular Adenosine Triphosphate in Cultured Rat Microglia. , Anesthesia & Analgesia, 111 (3) 768-774(2010)

[PMID:20686009](#)

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