P38 MAPK(Phospho-Tyr182) Antibody

Catalog No: #11253

Package Size: #11253-1 50ul #11253-2 100ul #11253-4 25ul

Overview

Product Name	P38 MAPK(Phospho-Tyr182) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	P38 MAPK
Modification	Phospho-Tyr182
Alternative Names	MAPK2; MAPKAPK-2; MAPKAPK2

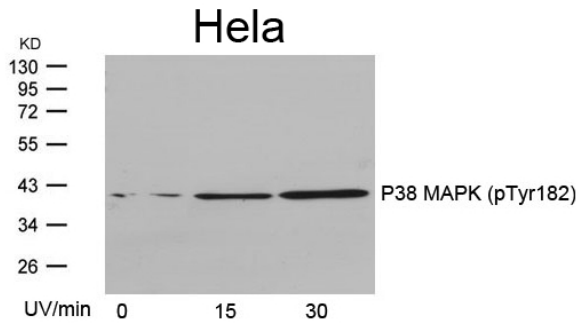
Application Details

Predicted MW: 43kd

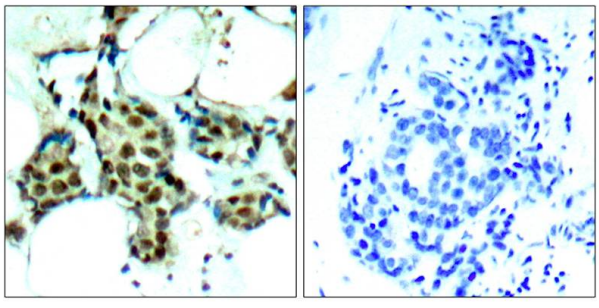
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

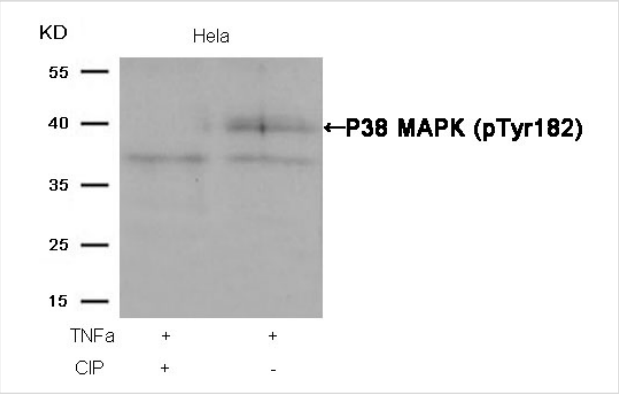
Images



Western blot analysis of extracts from Hela cells untreated or treated with UV for the indicated times, using P38 MAPK(Phospho-Tyr182) Antibody #11253.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using P38 MAPK(Phospho-Tyr182) Antibody #11253(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from Hela cells, treated with TNFa or calf intestinal phosphatase (CIP), using P38 MAPK (Phospho-Tyr182) Antibody #11253.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of tyrosine 182 (T-G-Y(p)-V-A) derived from Human P38 MAPK.
Specificity	The antibody detects endogenous level of P38MAPK only when phosphorylated at tyrosine 182.
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: 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.

Ming Zheng, et al.(2005) The FASEB Journal. 19: 109-111
Bernt van den et al.(2001) Blink Immunology, 166: 582-587
Arshad Rahman, et al. (2004) Am J Physiol Lung Cell Mol Physiol 287: L1017-L1024
Osamu Yoshino, et al. (2003) Endocrinology & Metabolism Vol. 88: 2236-2241

Published Papers

RS Chen, YM Song el at., Disruption of xCT inhibits cancer cell metastasis via the caveolin-1/B¦Γ -catenin pathway., Oncogene, 28, 599B¨C609(2008)

PMID:19015640

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