Product Datasheet

P38 MAPK(Phospho-Tyr182) Antibody

Catalog No: #11253

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

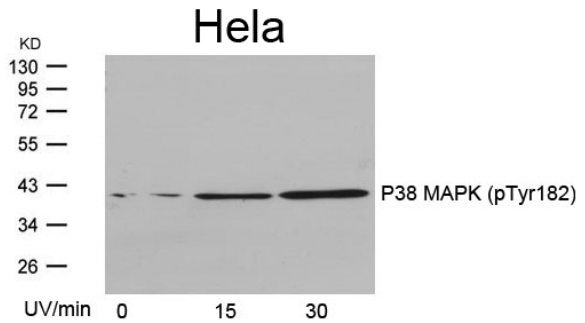
Description

Product Name	P38 MAPK(Phospho-Tyr182) Antibody
Host Species	Rabbit
Clonality	Polyclonal
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 chromatogramphy using non-phosphopeptide.
Applications	WB;IHC;IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of P38MAPK only when phosphorylated at tyrosine 182.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 182 (T-G-Y(p)-V-A) derived from Human P38 MAPK.
Target Name	P38 MAPK
Modification	Phospho
Other Names	MAPK2; MAPKAPK-2; MAPKAPK2
Accession No.	Swiss-Prot: Q16539NCBI Protein: NP _001306.1
Uniprot	Q16539
GeneID	1432;
Calculated MW	38kD
Concentration	1.0mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

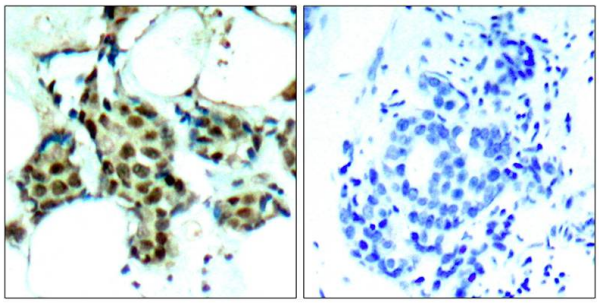
Application Details

WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:50-200

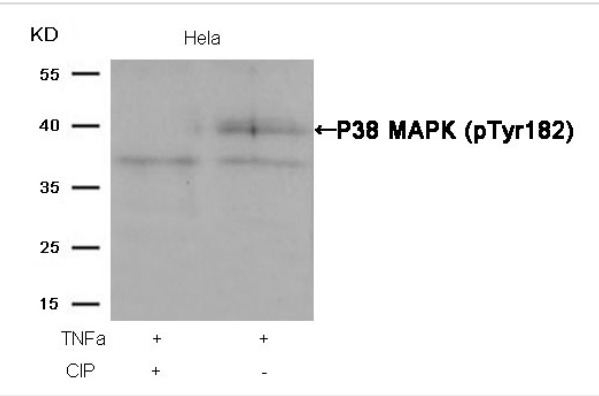
Images



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.

Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this gene encoding d

Note: This product is for in vitro research use only