# P38 MAPK(Phospho-Thr180) Antibody

Catalog No: #11252

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

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

## Description

| | |
|---|---|
| Product Name | P38 MAPK(Phospho-Thr180) 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 |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of P38 MAPK only when phosphorylated at Threonine 180. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of threonine 180 (E-M-T(p)-G-Y ) derived from Human P38MAPK. |
| 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; |
| Concentration | 1.0mg/ml |
| 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. |

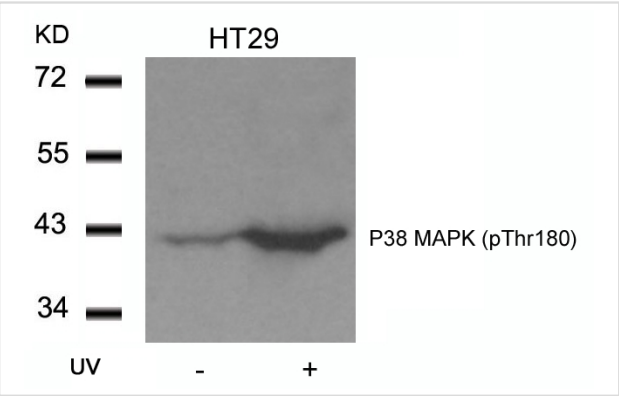
## Application Details

Predicted MW: 43kd

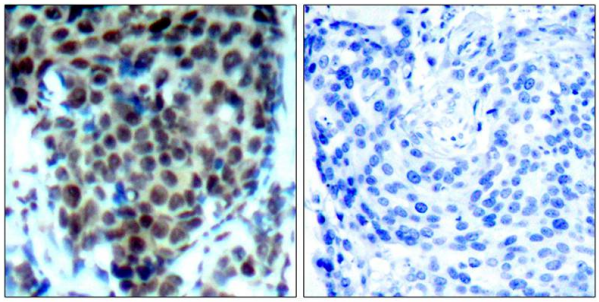
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

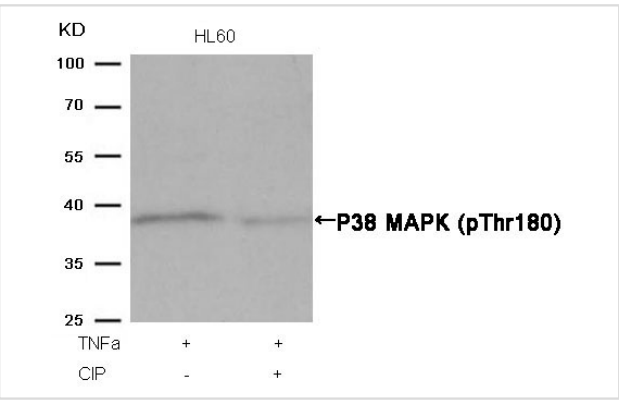
## Images




Western blot analysis of extracts from HT29 cells untreated or treated with UV using P38 MAPK(Phospho-Thr180) Antibody #11252.



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 TNFa or calf intestinal phosphatase (CIP), using P38 MAPK (Phospho-Thr180) Antibody #11252.

## Background

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

Note: This product is for in vitro research use only