

Anti-Phospho-MAPK14 (Thr180) Polyclonal Antibody

Product Details

Ig Type: IgG

Reactivity: Human, Mouse, Rat

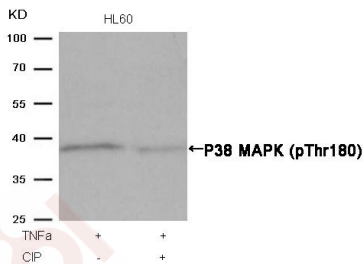
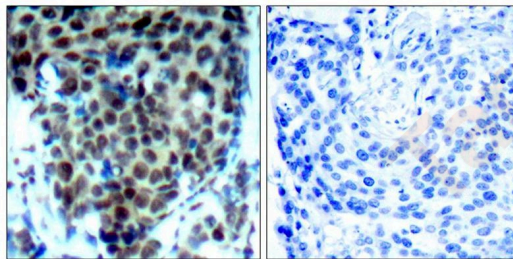
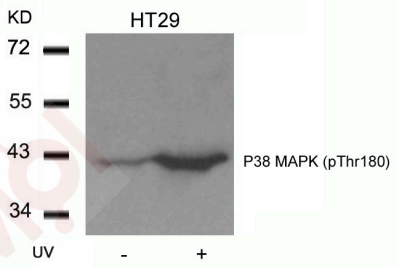
Conjugation: Unconjugated

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.

Applications

Verified Activity:

- Western blot analysis of extracts from HT29 cells untreated or treated with UV using P38 MAPK (Phospho-Thr180) Antibody TMAC-02957.
- Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using P38 MAPK (Phospho-Thr180) Antibody TMAC-02957 (left) or the same antibody preincubated with blocking peptide (right).
- Western blot analysis of extracts from HL60 cells, treated with TNF α or calf intestinal phosphatase (CIP), using P38 MAPK (Phospho-Thr180) Antibody TMAC-02957.



Application: IHC, WB

A DRUG SCREENING EXPERT

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Peptide sequence around phosphorylation site of threonine 180 (E-M-T(p)-G-Y) derived from Human P38MAPK

Antigen Species: Human

Uniprot ID: Q16539

Synonyms: p-MAPK14 (Thr180);MAPK14 (p-Thr180);p-MAPK14 (T180);MAPK14 (p-T180)

Research 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

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