

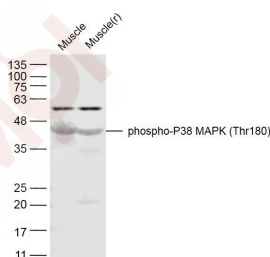
Anti-Phospho-P38 MAPK (Thr180) Polyclonal Antibody

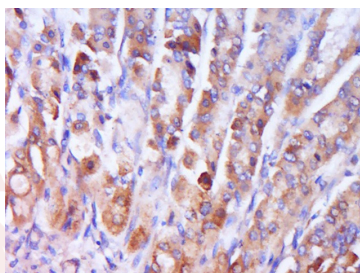
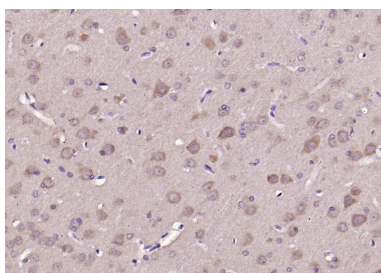
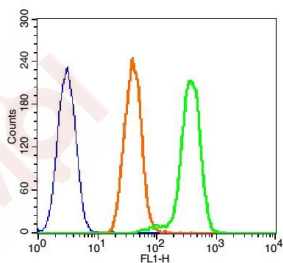
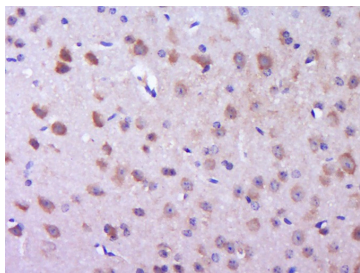
Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Horse, Rabbit)
Molecular Weight:	Theoretical: 41 kDa. Actual: 41 kDa.
Purification:	Protein A purified

Applications

- Sample:**
 Muscle (Mouse) Lysate at 40 µg
 Muscle (Rat) Lysate at 40 µg
 Primary: Anti-phospho-P38 MAPK (Thr180) (TMAB-01471) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 41 kDa
 Observed band size: 41 kDa
- Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (p-P38 MAPK (Thr180)) Polyclonal Antibody, Unconjugated (TMAB-01471) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
- Verified Activity:** Blank control (blue): Hela (fixed with 2% paraformaldehyde (10 min), then permeabilized with 0.3% Triton X-100 for 5 min at room temperature). Primary Antibody: Rabbit Anti-phospho-P38 MAPK (Thr180) antibody (TMAB-01471) dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions; Secondary Antibody: Goat anti-rabbit IgG-FITC, Dilution: 1:200 in 1 X PBS containing 0.5% BSA.
- Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (phospho-P38 MAPK (Thr180)) Polyclonal Antibody, Unconjugated (TMAB-01471) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded (Rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (p-P38 MAPK (Thr180)) Polyclonal Antibody, Unconjugated (TMAB-01471) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

Properties

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

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated Synthesised phosphopeptide: human MAPK14 around the phosphorylation site of Thr180

Antigen Species: Human

Gene ID: 1432

Uniprot ID: Q16539

Synonyms: p38ALPHA;p38;SAPK2A;Mxi2;p38 MAPK (p-Thr180);EXIP;PRKM15;CSPB1;p38 MAPK (p-T180);Csbp1;PRKM14;p-p38 MAPK (T180);p-p38 MAPK (Thr180);Phospho-p38 MAPK (T180);CSBP;Csbp2;RK

Biology Area: MAPK pathway,TLR Signaling,Other Cell Signaling Kits,MAPK Pathway

Research 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(MKs), 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 distinct isoforms have been reported.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481