
Phospho-P38 MAPK (Thr180 + Tyr182) Rabbit pAb

Catalog Number: bs-0636R

Target Protein: Phospho-P38 MAPK (Thr180 + Tyr182)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Dog)

Predicted MW: 42 kDa

Entrez Gene: 1432

Swiss Prot: Q16539

Source: KLH conjugated Synthesised phosphopeptide derived from human p38 MAPK around the phosphorylation site of Thr180/Tyr182: M(p-T)G(p-Y)VA.

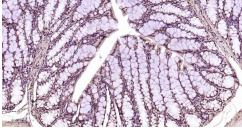
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

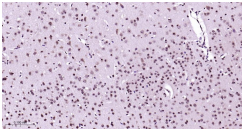
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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, MEK2C, 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.

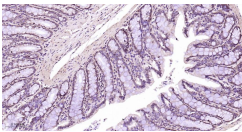
VALIDATION IMAGES



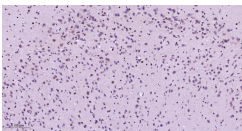
Paraformaldehyde-fixed, paraffin embedded Mouse colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-P38 MAPK (Thr180 + Tyr182) Polyclonal Antibody, Unconjugated(bs-0636R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



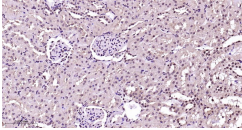
Paraformaldehyde-fixed, paraffin embedded Mouse brain; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-P38 MAPK (Thr180 + Tyr182) Polyclonal Antibody, Unconjugated(bs-0636R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



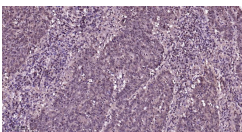
Paraformaldehyde-fixed, paraffin embedded Rat colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-P38 MAPK (Thr180 + Tyr182) Polyclonal Antibody, Unconjugated(bs-0636R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat brain; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-P38 MAPK (Thr180 + Tyr182) Polyclonal Antibody, Unconjugated(bs-0636R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-P38 MAPK (Thr180 + Tyr182) Polyclonal Antibody, Unconjugated(bs-0636R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human colon cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Phospho-P38 MAPK (Thr180 + Tyr182) Polyclonal Antibody, Unconjugated(bs-0636R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=20.693] Myung-Ju Lee. et al. CXCL1 confers a survival advantage in Kaposi's sarcoma-associated herpesvirus-infected human endothelial cells through STAT3 phosphorylation. J MED VIROL. 2022 Jul.; WB ; Human . 35869037

[IF=17.521] Yi Yan. et al. Nanomedicines Reprogram Synovial Macrophages by Scavenging Nitric Oxide and Silencing CA9 in Progressive Osteoarthritis. Advanced Science. 2023 Feb;;2207490 WB ; MOUSE . 36748885

[IF=7.675] Honghong Zhan. et al. Oxybaphus himalaicus Mitigates Lipopolysaccharide-Induced Acute Kidney Injury by Inhibiting TLR4/MD2 Complex Formation. ANTIOXIDANTS-BASEL. 2022 Dec;11(12):2307 WB ; MOUSE . 10.3390/antiox11122307

[IF=7.129] Li Xu. et al. Fenpropathrin increases gliquidone absorption via causing damage to the integrity of intestinal barrier. ECOTOX

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

ENVIRON SAFE. 2022 Sep;242:113882 WB ; Rat . 35841655

[IF=7.129] Jin Chen. et al. Surface functionalization-dependent inflammatory potential of polystyrene nanoplastics through the activation of MAPK/ NF- κ B signaling pathways in macrophage Raw 264.7. ECOTOX ENVIRON SAFE. 2023 Feb;251:114520 WB ; Mouse . 36640573