Anti-Phospho-p38 (Thr180) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014105

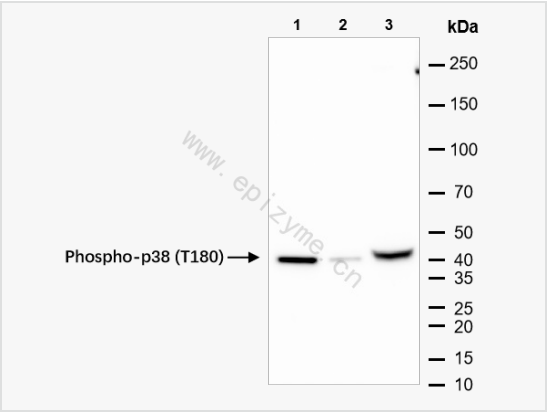
Product Information

Application	IF (Cell)/ICC, ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	69S82G28
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-p38 (T180)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-p38 (Thr180) Rabbit mAb [69S82G28] is for research use only and not for use in diagnostic or therapeutic procedures.

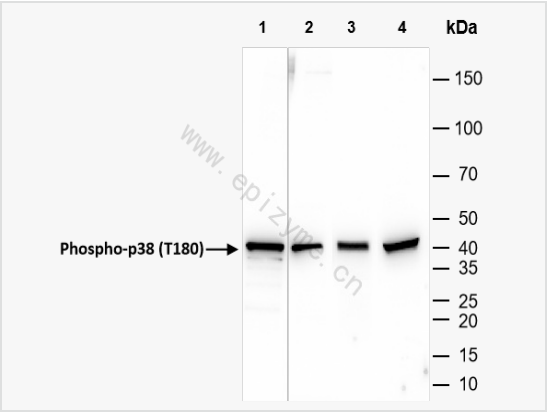
Protein Information

Synonyms	CSAID Binding Protein 1, CSAID binding protein, CSAID-binding protein, Csaids binding protein, CSBP 1, CSBP 2, CSBP, CSBP1, CSBP2, CSPB1, Cytokine suppressive anti-inflammatory drug-binding protein, EXIP, MAP kinase 14, MAP kinase MXI2, MAP kinase p38 alpha, MAPK 14, MAPK14, MAX interacting protein 2, MAX-interacting protein 2, Mitogen Activated Protein Kinase 14, Mitogen activated protein kinase p38 alpha, Mitogen-activated protein kinase 14, Mitogen-activated protein kinase p38 alpha, MK14_HUMAN, Mxi 2, MXI2, p38 ALPHA, p38, p38 MAP kinase, p38 MAPK, p38 mitogen activated protein kinase, p38ALPHA, p38alpha Exip, PRKM14, PRKM15, RK, SAPK2A, Stress-activated protein kinase 2a.
Calculated MW	Calculated MW: 41 kDa; Observed MW: 41 kDa
Uniprot ID	Q16539
Gene ID	1432
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.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Brain, heart, placenta, pancreas and skeletal muscle. Expressed to a lesser extent in lung, liver and kidney.

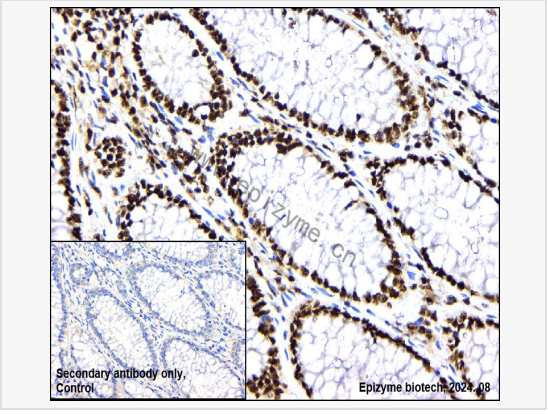
Validation Images



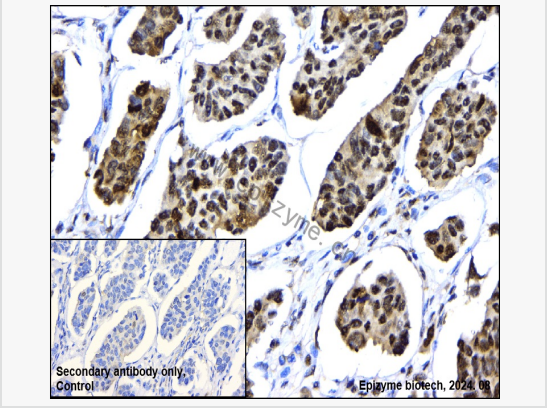
Western Blot - Anti-Phospho-p38 (Thr180) Rabbit mAb [69S82G28]
All lanes: R014105 at 1:1,000 dilution
Lane 1: Rat spleen whole tissue lysates
Lane 2: Rat heart whole tissue lysates
Lane 3: Rat muscle whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 41 kDa
Observed band size: 41 kDa
Developed using the ECL technique (Cat. No. SQ201).



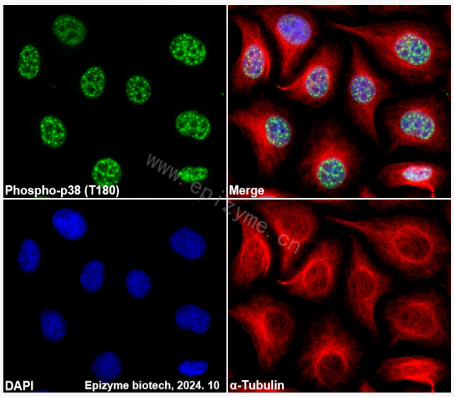
Western Blot - Anti-Phospho-p38 (Thr180) Rabbit mAb [69S82G28]
All lanes: R014105 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 3: Mouse small intestine whole tissue lysates
Lane 4: Mouse muscle whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 41 kDa
Observed band size: 41 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-p38 (Thr180) Rabbit mAb [69S82G28]
Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014105 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Phospho-p38 (Thr180) Rabbit mAb [69S82G28]
Sample: Paraformaldehyde-fixed, paraffin embedded human ovarian cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014105 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Phospho-p38 (Thr180) Rabbit mAb [69S82G28]
Sample: Hela cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014105 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).