

[KD Validated] Anti-Phospho-p38 (Thr180) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

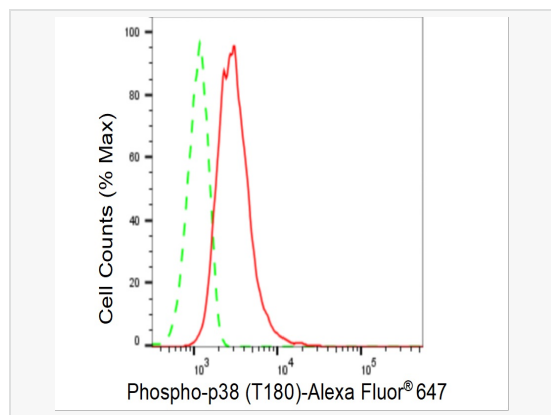
Catalog # R021245

Product Information

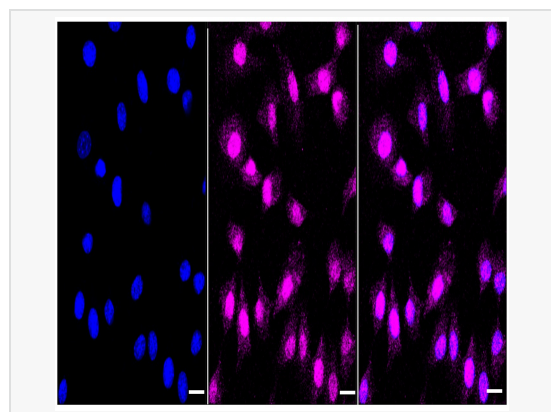
Application	WB, FC, IF (Cell)/ICC
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	65E52J81
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-p38 (Thr180)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-Phospho-p38 (Thr180) Rabbit mAb [65E52J81] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

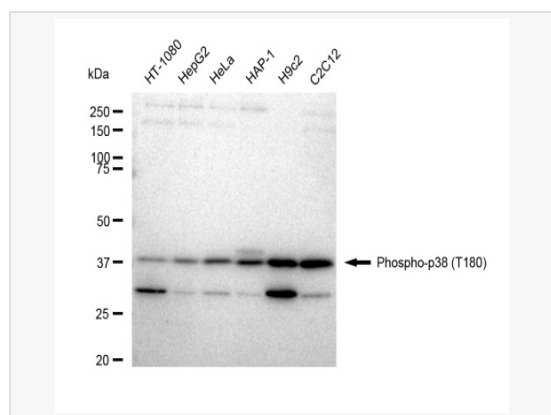
Synonyms	MAPK14; Mitogen-Activated Protein Kinase 14; PRKM14; PRKM15; CSBP1; CSBP2; CSPB1; P38; Mitogen-Activated Protein Kinase P38 Alpha; MAX-Interacting Protein; CSAID-Binding Protein; MAP Kinase P38 Alpha; P38 MAP Kinase; MAP Kinase 14; EC 2.7.11.24; SAPK2A; Mxi2; CSBP; MXI2; Cytokine Suppressive Anti-Inflammatory Drug Binding Protein; Cytokine Suppressive Anti-Inflammatory Drug-Binding Protein; P38 Mitogen Activated Protein Kinase; Stress-Activated Protein Kinase 2A; Stress-Activated Protein Kinase 2a; MAP Kinase Mxi2; MAP Kinase MXI2; P38alpha Exip 3; EC 2.7.11; P38ALPHA; MAPK 14; SAPK2a; EXIP; RK.
Calculated MW	Calculated MW: 41 kDa, Observed MW: 38 kDa
Uniprot ID	Q16539
Gene ID	1432
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.



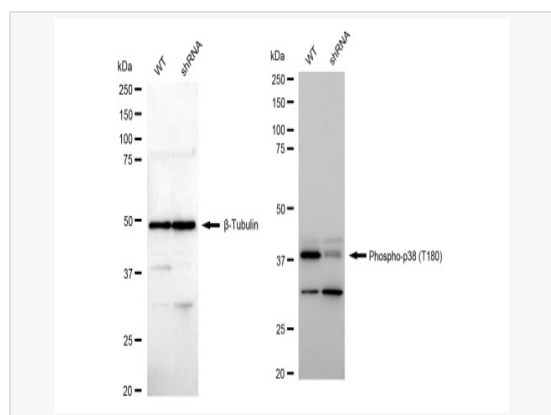
Flow cytometric analysis of Phospho-p38 (T180) expression in C2C12 cells using Phospho-p38 (T180) antibody (R021245, 1:2,000). Green, isotype control; red, Phospho-p38 (T180).



Immunocytochemical staining of HepG2 cells with Phospho-p38 (T180) antibody (R021245, 1:1,000). Nuclei were stained blue with DAPI; Phospho-p38 (T180) was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using Phospho-p38 (T180) antibody (R021245). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Phospho-p38 (T180) antibody (R021245, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using Phospho-p38 (T180) antibody (R021245). Phospho-p38 (T180) expression in wild type (WT) and Phospho-p38 (T180) shRNA knockdown (KD) HT-1080 cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with Phospho-p38 (T180) antibody (R021245, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.