Anti-Phospho-p38 MAPK (Thr180/Tyr182) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108941

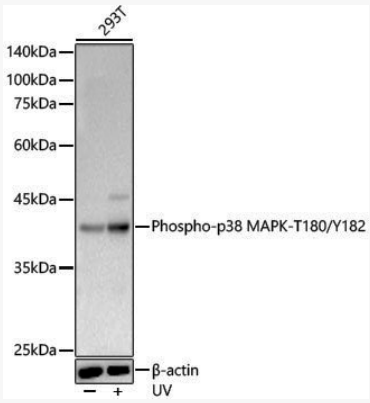
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:2000~1:20000; IF 1:50~1:200; IHC-P 1:200~1:800
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around T180 & Y182 of human p38 MAPK (NP_620581.1).
Format	Affinity purified polyclonal 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 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-p38 MAPK (Thr180/Tyr182) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

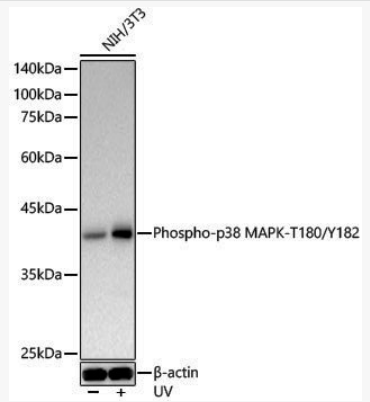
Protein Information

Synonyms	MAPK14; CSBP; CSBP1; CSBP2; CSPB1; EXIP; Mxi2; PRKM14; PRKM15; RK; SAPK2A; p38; p38ALPHA; p38 MAPK; Phospho-p38 MAPK-T180/Y182.
Calculated MW	Calculated MW: 29 kDa/34 kDa/35 kDa/41 kDa; Observed MW: 43 kDa
Uniprot ID	Q15759, P53778, O15264, Q16539
Gene ID	5600, 6300, 5603, 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. 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, 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.

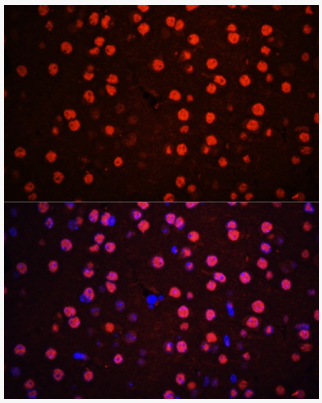
Validation Images



Western blot analysis of lysates from 293T cells, using Phospho-p38 MAPK-T180/Y182 Rabbit pAb (P108941) at 1:18000 dilution. 293T cells were treated by UV at room temperature for 15-30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 20s.



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-p38 MAPK-T180/Y182 Rabbit pAb (P108941) at 1:18000 dilution. NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 20s.



Immunofluorescence analysis of paraffin-embedded mouse brain using Phospho-p38 MAPK-T180/Y182 Rabbit pAb (P108941) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.