

Phospho-p38 MAPK-Y182 Rabbit mAb

Catalog No.: AP1372 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

41kDa

Category

Primary antibody

Applications

ELISA, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC58398

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.

Recommended Dilutions

IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
1432	Q16539

Immunogen

A synthetic phosphorylated peptide around Y182 of human MAPK.

Synonyms

RK; p38; CSBP; EXIP; Mxi2; CSBP1; CSBP2; CSPB1; PRKM14; PRKM15; SAPK2A; p38ALPHA; Phospho-p38 MAPK-Y182

Contact

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Product Information

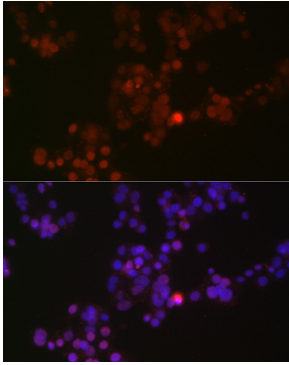
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

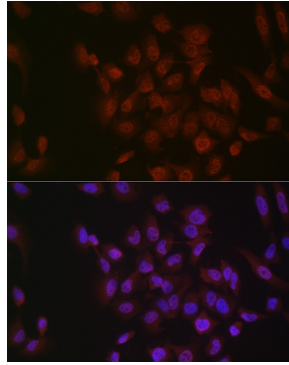
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

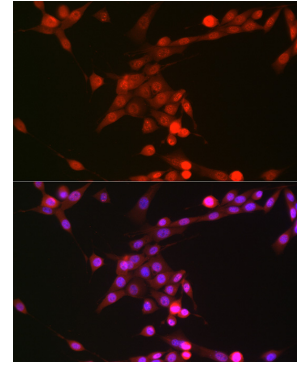
Validation Data



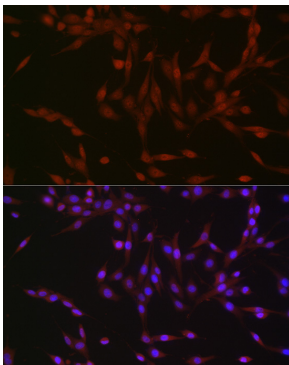
Immunofluorescence analysis of Hep G2 using Phospho-p38 MAPK-Y182 Rabbit mAb (AP1372) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



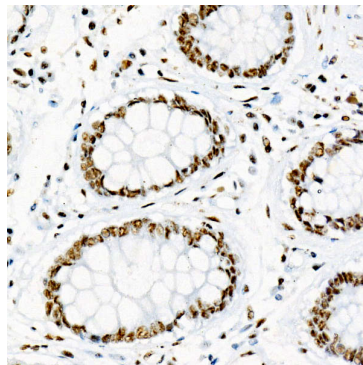
Immunofluorescence analysis of HeLa using Phospho-p38 MAPK-Y182 Rabbit mAb (AP1372) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



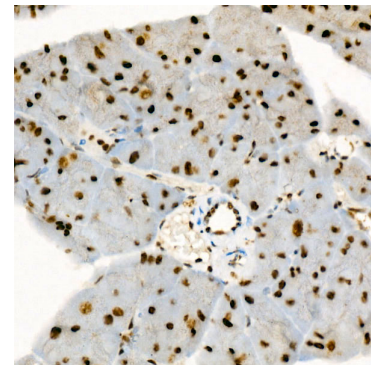
Immunofluorescence analysis of NIH/3T3 using Phospho-p38 MAPK-Y182 Rabbit mAb (AP1372) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



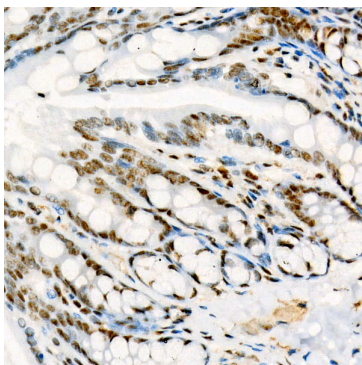
Immunofluorescence analysis of PC-12 using Phospho-p38 MAPK-Y182 Rabbit mAb (AP1372) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using Phospho-p38 MAPK-Y182 Rabbit mAb (AP1372) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse pancreas using Phospho-p38 MAPK-Y182 Rabbit mAb (AP1372) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Rat colon using Phospho-p38 MAPK-Y182 Rabbit mAb (AP1372) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.