

p38 MAPK Rabbit mAb

Catalog No: #49379



Package Size: #49379-1 50ul #49379-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

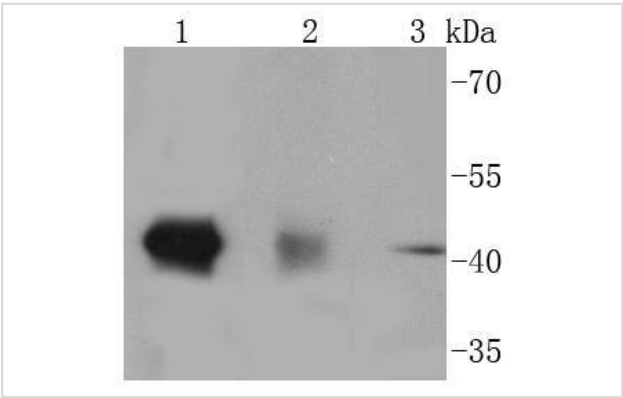
Description

Product Name	p38 MAPK Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF55-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	CSAID-binding protein antibody Csaids binding protein antibody CSBP antibody CSBP1 antibody CSBP2 antibody CSPB1 antibody Cytokine suppressive anti-inflammatory drug-binding protein antibody EXIP antibody MAP kinase 14 antibody MAP kinase MXI2 antibody MAP kinase p38 alpha antibody MAPK 14 antibody MAPK14 antibody MAX-interacting protein 2 antibody Mitogen-activated protein kinase 14 antibody Mitogen-activated protein kinase p38 alpha antibody MK14_HUMAN antibody Mxi2 antibody p38 antibody p38 MAP kinase antibody p38 mitogen activated protein kinase antibody p38ALPHA antibody p38alpha Exip antibody PRKM14 antibody PRKM15 antibody RK antibody SAPK2A antibody Stress-activated protein kinase 2a antibody
Accession No.	Swiss-Prot#:Q16539
Calculated MW	41 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

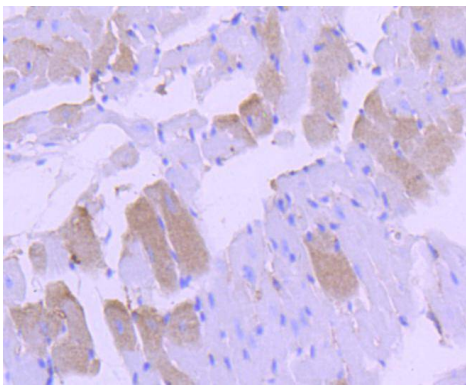
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:50-1:200

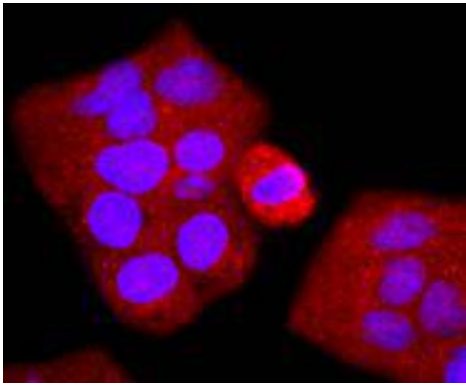
Images



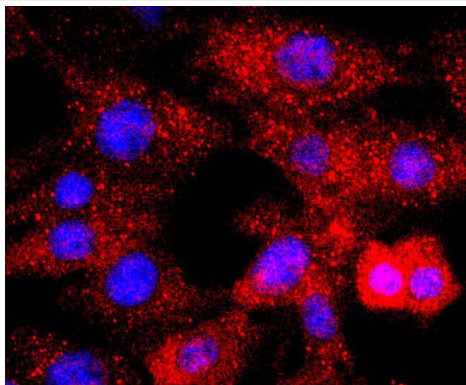
Western blot analysis of p38 MAPK on different lysates using anti-p38 MAPK antibody at 1/1,000 dilution. Positive control: Lane 1: NIH/3T3 Lane 2: Human brain Lane 3: 293



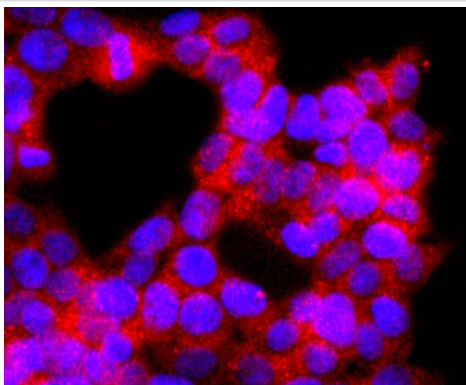
Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-p38 MAPK antibody. Counter stained with hematoxylin.



ICC staining p38 MAPK in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining p38 MAPK in NIH/3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining p38 MAPK in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

MAP (mitogen-activated protein) kinases play a significant role in many biological processes, including cell adhesion and spreading, cell differentiation and apoptosis. p38 α , p38 β and p38 γ , also known as MAPK14, MAPK11 and MAPK12, respectively, each contain one protein kinase domain and belong to the MAP kinase family. Expressed in different areas throughout the body with common expression patterns in heart, p38 proteins use magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins. Via their catalytic activity, p38 α , p38 β and p38 γ are involved in a variety of events throughout the cell, including signal transduction pathways, cytokine production and cell proliferation and differentiation. The p38 proteins are subject to phosphorylation on Thr and Tyr residues, an event which is thought to activate the phosphorylated protein.

References

1. Xiao Y et al. Effect of α -linolenic acid-modified low molecular weight chondroitin sulfate on atherosclerosis in apoE-deficient mice. *Biochim Biophys Acta* 1860:2589-97 (2016).
2. Lv L et al. WT1-AS promotes cell apoptosis in hepatocellular carcinoma through down-regulating of WT1. *J Exp Clin Cancer Res* 34:119 (2015).

Published Papers

el at., Gingerenone A Attenuates Ulcerative Colitis via Targeting IL-17RA to Inhibit Inflammation and Restore Intestinal Barrier Function. In *Adv Sci (Weinh)* on 2024 Jul by Jian Liang, Weigang Dai,et al..PMID:38639442, , (2024)

[PMID:38639442](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.