

Anti-p38 antibody ab9352

2 图像

概述

产品名称	Anti-p38抗体
描述	兔多克隆抗体to p38
宿主	Rabbit
特异性	p38 alpha MAPK.
经测试应用	适用于: ICC/IF, WB, IP, ELISA
种属反应性	与反应: Mouse, Rat, Cow, Human
免疫原	Synthetic peptide corresponding to Human p38 (C terminal) conjugated to keyhole limpet haemocyanin. Sequence: C-SFVPPPLDQEEMES
	Run BLAST with Run BLAST with
阳性对照	Use Mouse heart extract. IF/ICC: HepG2 cell line.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium azide
纯度	Immunogen affinity purified
纯化说明	Immunoaffinity chromatography.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab9352于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		
WB		
IP		
ELISA		

应用说明

ELISA: Use at 2:1000
 Western blot: Use at 4:1000
 Immunoprecipitation of p38 alpha MAPK in non-denaturing conditions: Use at 4µg/1500 µg of crude protein sample

靶标

功能

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. May play a role in stabilization of EPO mRNA during hypoxic stress. Isoform Mxi2 activation is stimulated by mitogens and oxidative stress and only poorly phosphorylates ELK1 and ATF2. Isoform Exip may play a role in the early onset of apoptosis.

组织特异性

Brain, heart, placenta, pancreas and skeletal muscle. Expressed to a lesser extent in lung, liver and kidney.

序列相似性

Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.
 Contains 1 protein kinase domain.

结构域

The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.

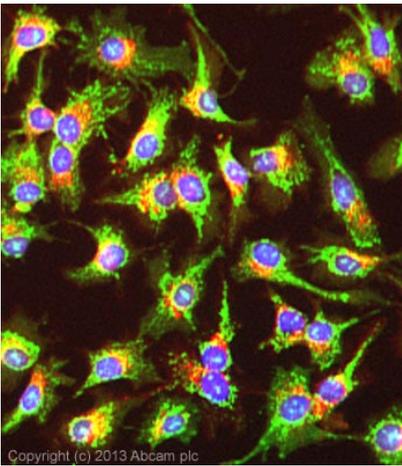
翻译后修饰

Dually phosphorylated on Thr-180 and Tyr-182, which activates the enzyme.
 Phosphorylated upon DNA damage, probably by ATM or ATR.

细胞定位

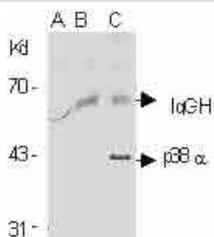
Cytoplasm. Nucleus.

图片



Immunocytochemistry/ Immunofluorescence - Anti-p38 antibody (ab9352)

ICC/IF image of ab9352 stained HepG2 cells. The cells were 100% Methanol fixed (5 min) and then incubated in 1%BSA / 10% normal Goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab9352, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 Goat anti-Rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Western blot - Anti-p38 antibody (ab9352)

Immunoprecipitation and Immunoblotting with anti-p38 alpha MAPK
 Lane A. Immunoprecipitated with control serum (negative control)
 Lane B. Immunoprecipitated with anti-ERK2 (cross-reactivity negative control)
 Lane C. Immunoprecipitated with anti-p38 MAPK
 Immunoprecipitation and Immunoblotting with anti-p38 alpha MAPK
 Lane A. Immunoprecipitated with control serum (negative control)
 Lane B. Immunoprecipitated with anti-ERK2 (cross-reactivity negative control)
 Lane C. Immunoprecipitated with anti-p38 MAPK

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