

Anti-p38 (phospho T180 + Y182) antibody [M139] ab45381

★★★★★ [4 Abreviews](#) [31 References](#) [2 图像](#)

概述

产品名称	Anti-p38 (phospho T180 + Y182)抗体[M139]
描述	小鼠单克隆抗体[M139] to p38 (phospho T180 + Y182)
宿主	Mouse
特异性	This antibody detects a 42 kDa protein corresponding to the apparent molecular mass of p38a. This peptide sequence is highly conserved in the p38 β , g, and d MAPKs, and is identical in human and mouse p38a.
经测试应用	适用于: WB 不适用于: ICC/IF
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide corresponding to Rat p38 (phospho T180 + Y182) conjugated to Keyhole Limpet Haemocyanin (KLH). Clone M139 was generated from a phospho-p38 α (Thr-180/Tyr-182) synthetic peptide (coupled to KLH) corresponding to amino acid residues around threonine 180 and tyrosine 182 of rat p38 α .
阳性对照	Pervanadate treated human Jurkat and A431 cells and anisomycin treated human HeLa cells.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.05% Sodium azide Constituents: PBS, 50% Glycerol, 0.1% BSA
纯度	Protein A purified
纯化说明	Mouse monoclonal purified with protein A chromatography.

克隆	单克隆
克隆编号	M139
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab45381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。

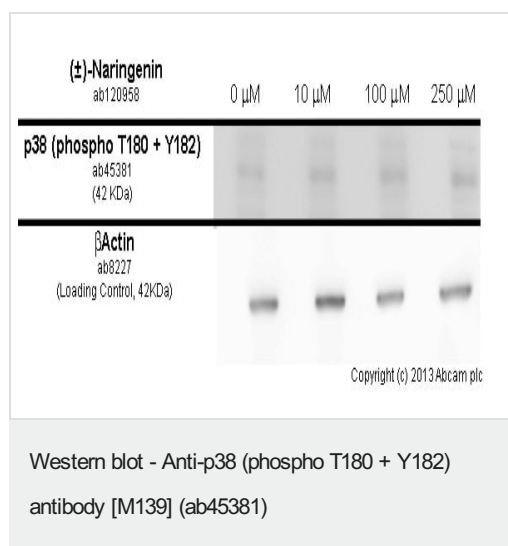
应用	Ab评论	说明
WB	★★★★★ (3)	1/1000. Predicted molecular weight: 42 kDa.

应用说明 Is unsuitable for ICC/IF.

靶标

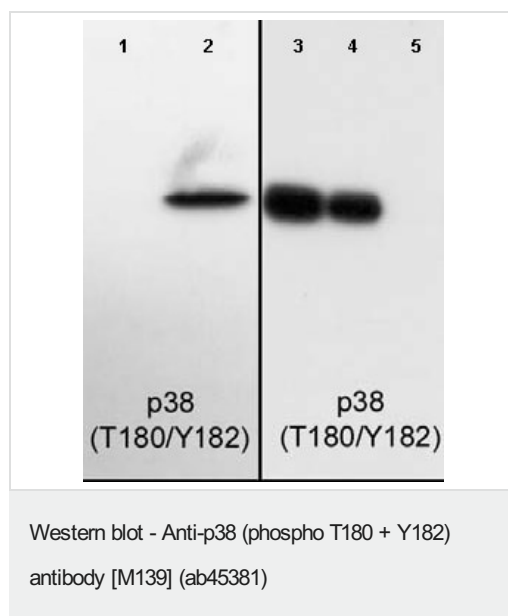
功能	Responds to activation by environmental stress, pro-inflammatory cytokines and lipopolysaccharide (LPS) by phosphorylating a number of transcription factors, such as ELK1 and ATF2 and several downstream kinases, such as MAPKAPK2 and MAPKAPK5. Plays a critical role in the production of some cytokines, 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



Serum starved HepG2 cells were incubated at 37°C for 30 minutes with vehicle control (0 μM) and different concentrations of (±)-naringenin (**ab120958**). Increased expression of p38 (phospho T180 + Y182) (

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 10μg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with μg /ml and **ab8227** at 1/1000 dilution overnight at 4°C. Antibody binding was detected using an anti-mouse antibody conjugated to HRP (**ab97040**) at 1/10000 and visualised using ECL development solution.



All lanes : Anti-p38 (phospho T180 + Y182) antibody [M139] (ab45381) at 1/1000 dilution

Lane 1 : A431 cells serum starved overnight

Lane 2 : A431 cells treated with pervanadate (1 mM) for 30 minutes

Lane 3 : A431 cells treated with pervanadate (1 mM) for 30 minutes with No peptide

Lane 4 : A431 cells treated with pervanadate (1 mM) for 30 minutes with phospho-ERK1 (T202/Y204) peptide

Lane 5 : A431 cells treated with pervanadate (1 mM) for 30 minutes with phospho-p38 (T180/Y182) peptide

Lysates/proteins at 20 μg per lane.

Predicted band size: 42 kDa

Observed band size: 42 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors