abcam

Product datasheet

Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] ab32142

敲除验证 重组 RabMAb

42 References 9 图像

概述

产品名称	Anti-p38 beta/MAPK11 + p38 alpha/MAPK14抗体[Y122]
描述	兔单克隆抗体[Y122] to p38 beta/MAPK11 + p38 alpha/MAPK14
宿主	Rabbit
特异性	This antibody recognises p38. It is predicted to react with splice isoform CSBP1 according to sequence homology. Mouse cross reactivity has been tested by WB and IHC, Rat cross reactivity by WB only.
经测试应用	**适用于:** ICC/IF, WB, IHC-P **不适用于:** Flow Cyt or IP
种属反应性	**与反应:** Mouse, Human **预测可用于:** Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Hela, Jurkat, HEK-293T, K562 and MCF7 cell lyastes. IHC-P: Human skin carcinoma. ICC/IF: MCF7 cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide

	Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
克隆	单克隆
克隆编号	Y122
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab32142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。

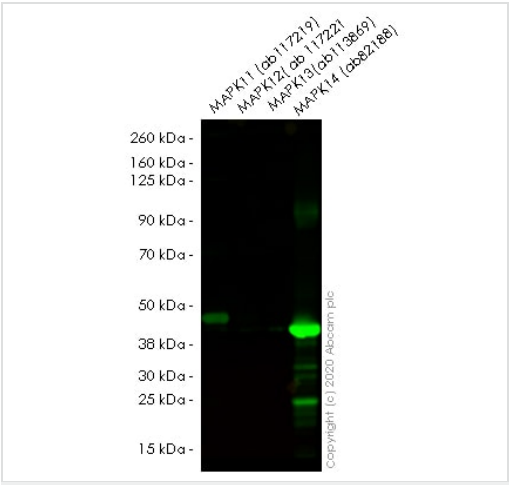
应用	Ab评论	说明
ICC/IF		1/100 - 1/250.
WB		1/1000 - 1/10000. Detects a band of approximately 42 kDa (predicted molecular weight: 41 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

应用说明 Is unsuitable for Flow Cyt or IP.

靶标

细胞定位 p38 alpha/MAPK14: Cytoplasm. Nucleus.

图片



Western blot - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

All lanes : Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142) at 1/1000 dilution

Lane 1 : MAPK11 recombinant (**ab117219**)
Lane 2 : MAPK12 recombinant (**ab117221**)
Lane 3 : MAPK13 recombinant (**ab113869**)
Lane 4 : MAPK14 (p38) recombinant (**ab82188**)

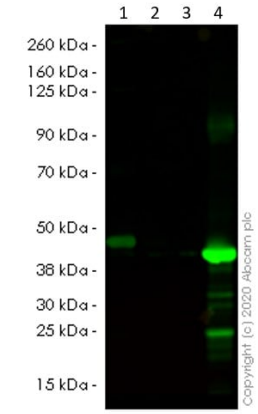
Lysates/proteins at 0.5 µg per lane.

Performed under reducing conditions.

Predicted band size: 41 kDa
Observed band size: 43 kDa

Lanes 1 - 4: Green - ab32142 observed at 43 kDa.

ab32142 was shown to react with Anti-p38 antibody [Y122] in Western blot. Membranes were blocked in 100% Licor before incubation with ab32142 and overnight at 4 °C at a 1 in 1000 dilution. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) secondary antibody at 1 in 20000 dilution for 1 h at room temperature before imaging.

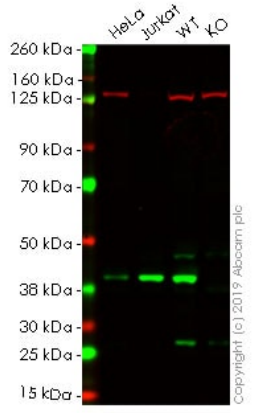


Western blot - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

All lanes : Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142) at 1/1000 dilution

Lane 1 : Recombinant Human p38 beta/MAPK11 protein (**ab117219**)
Lane 2 : Recombinant Human p38 gamma/MAPK12 protein (**ab117221**)
Lane 3 : Recombinant Human p38 delta/MAPK13 protein (**ab113869**)
Lane 4 : Recombinant Human p38 alpha/MAPK14 protein (**ab82188**)

Predicted band size: 41 kDa



Western blot - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

All lanes : Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142) at 1/1000 dilution

Lane 1 : HeLa cell lysate
Lane 2 : Jurkat cell lysate
Lane 3 : Wild-type HEK-293T cell lysate
Lane 4 : MAPK14 knockout HEK-293T cell lysate

Lysates/proteins at 20 µg per lane.

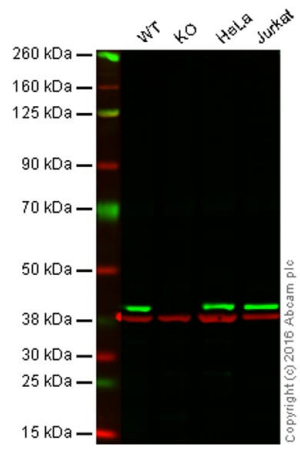
Performed under reducing conditions.

Predicted band size: 41 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab32142 observed at 40 kDa. Red - loading control, **ab130007** observed at 125 kDa.

ab32142 was shown to react with p38 in wild-type HEK-293T cells.

Loss of signal was observed when knockout cell line **ab255406** (knockout cell lysate **ab263787**) was used. Wild-type and p38 knockout samples were subjected to SDS-PAGE. ab32142 and Anti-Vinculin antibody [VIN-54] (**ab130007**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

All lanes : Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

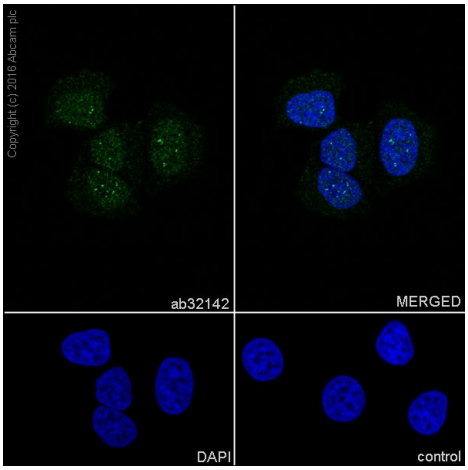
Lane 1 : Wild-type HAP1 cell lysate
Lane 2 : p38 knockout HAP1 cell lysate
Lane 3 : HeLa cell lysate
Lane 4 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 41 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab32142 observed at 40 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

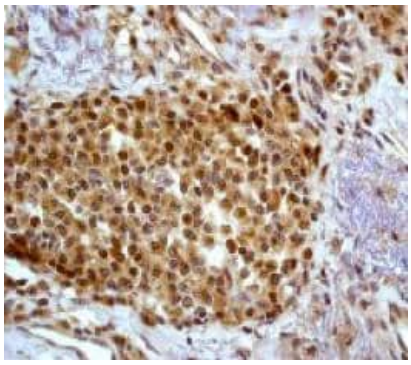
ab32142 was shown to specifically react with p38 when p38 knockout samples were used. Wild-type and p38 knockout samples were subjected to SDS-PAGE. ab32142 and **ab8245** (loading control to GAPDH) were diluted 1/1000 and 1/2000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1/10 000 dilution for 1 h at room temperature before imaging.



Immunocytochemistry/ Immunofluorescence - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

Immunocytochemistry/Immunofluorescence analysis of MCF-7 (human breast carcinoma) cells labelling p38 (green) with purified ab32142 at 1/250. Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. Nuclei were counterstained with DAPI (blue).

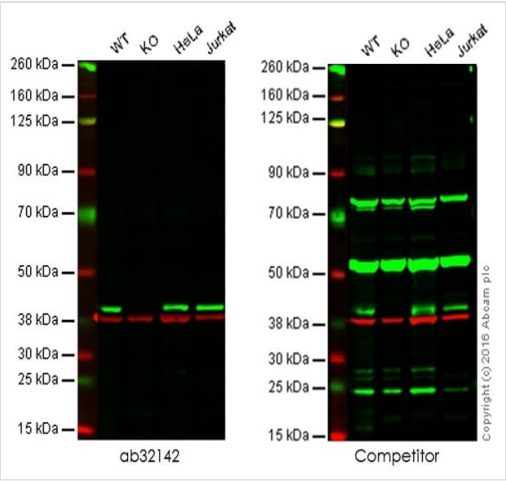
Secondary Only Control: PBS was used instead of the primary antibody as the negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

Ab32142, at a 1/100 dilution, staining p38 in paraffin embedded human skin carcinoma tissue by immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

All lanes : Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

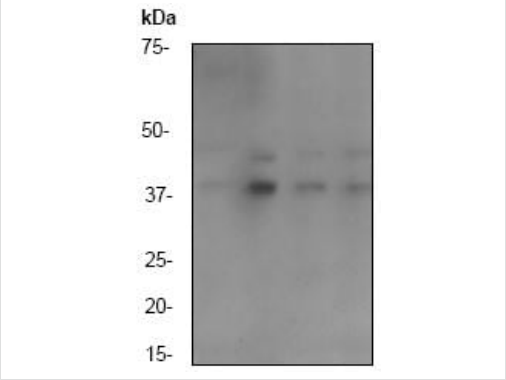
Lane 1 : Wild-type HAP1 cell lysate
Lane 2 : p38 knockout HAP1 cell lysate
Lane 3 : HeLa cell lysate
Lane 4 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 41 kDa

Lanes 1 - 4: Merged signal (red and green). Green - ab32142 observed at 40 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

This western blot image is a comparison between ab32142 and a competitor's top cited rabbit polyclonal antibody.



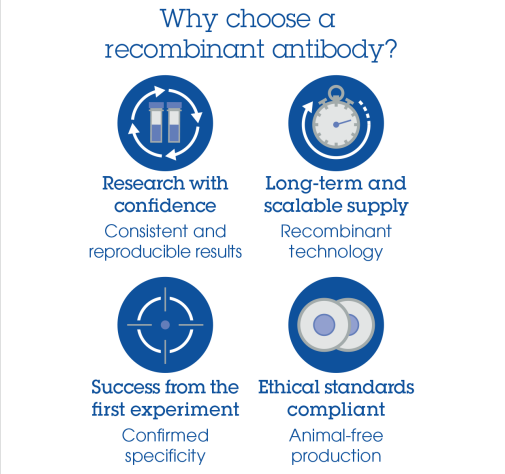
Western blot - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

All lanes : Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142) at 1/50000 dilution

Lane 1 : Hela cell lysate
Lane 2 : Jurkat cell lysate
Lane 3 : K562 cell lysate
Lane 4 : MCF7 cell lysate

Predicted band size: 41 kDa
Observed band size: 42 kDa

10 ug protein per lane



Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] (ab32142)

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