


# Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] - BSA and Azide free ab227995

KO 評価済 リコンビナント RabMAb

8 References 画像数 6

### 製品の概要

製品名	Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] - BSA and Azide free
製品の詳細	Rabbit monoclonal [Y122] to p38 beta/MAPK11 + p38 alpha/MAPK14 - BSA and Azide free
由来種	Rabbit
特異性	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.
アプリケーション	適用あり: IHC-P, WB, ICC/IF 適用なし: Flow Cyt or IP
種交差性	交差種: Mouse, Human 交差が予測される動物種: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HeLa, Jurkat, K562, HEK-293T and MCF7 cell lysates. IHC-P: Human skin carcinoma. ICC/IF: MCF7 cells.
特記事項	ab227995 is the carrier-free version of <a href="#">ab32142</a> .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.20 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	Y122
アイソタイプ	IgG

## アプリケーション

**The Abpromise guarantee**      **Abpromise保証は、**次のテスト済みアプリケーションにおけるab227995の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

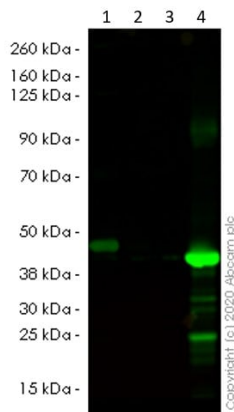
アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 42 kDa (predicted molecular weight: 41 kDa).
ICC/IF		Use at an assay dependent concentration.

**追加情報**      Is unsuitable for Flow Cyt or IP.

## ターゲット情報

**細胞内局在**      p38 alpha/MAPK14: Cytoplasm. Nucleus.

## 画像



Western blot - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] - BSA and Azide free (ab227995)

**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](#))

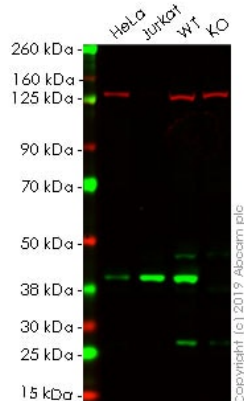
**Lane 2 :** Recombinant Human p38 gamma/MAPK12 protein ([ab117221](#))

**Lane 3 :** Recombinant Human p38 delta/MAPK13 protein ([ab113869](#))

**Lane 4 :** Recombinant Human p38 alpha/MAPK14 protein ([ab82188](#))

**Predicted band size:** 41 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab32142](#)).



Western blot - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] - BSA and Azide free (ab227995)

**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

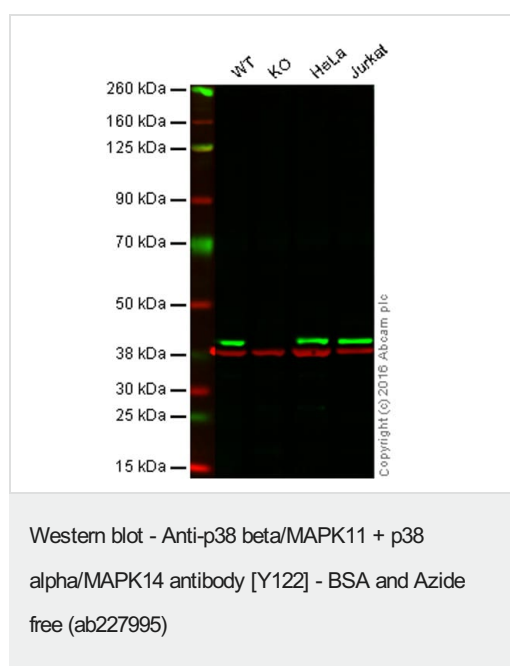
**Observed band size:** 42 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab32142](#)).

**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.



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

**Lane 1 :** Wild-type HAP1 cell lysate

**Lane 2 :** p38 knockout HAP1 cell lysate

**Lane 3 :** HeLa cell lysate

**Lane 4 :** Jurkat cell lysate

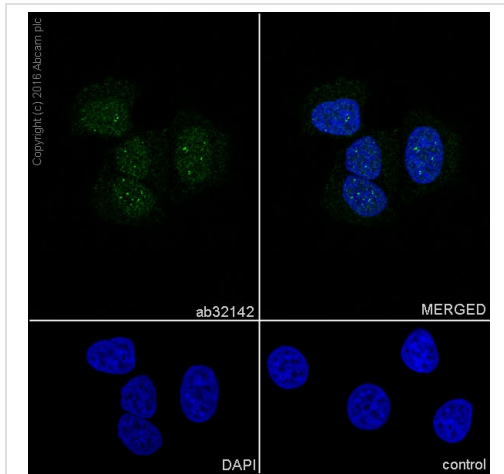
Lysates/proteins at 20 µg per lane.

**Predicted band size:** 41 kDa

This WB data was generated using the same anti-p38 antibody clone, Y122, in a different buffer formulation (cat# [ab32142](#)).

**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.

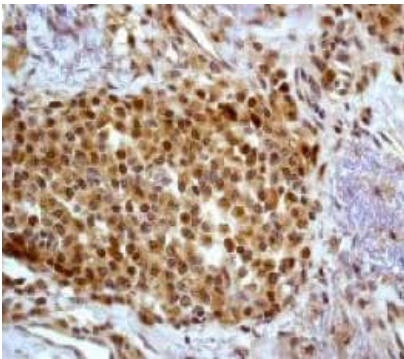


Immunocytochemistry/ Immunofluorescence - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] - BSA and Azide free (ab227995)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32142**).



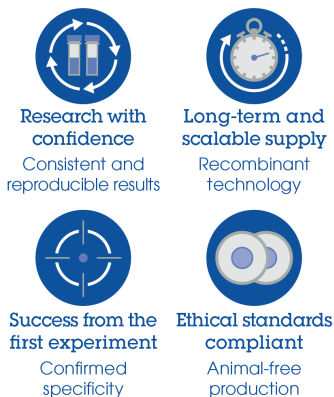
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] - BSA and Azide free (ab227995)

This IHC data was generated using the same anti-p38 antibody clone, Y122, in a different buffer formulation (cat# **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.

### Why choose a recombinant antibody?



Anti-p38 beta/MAPK11 + p38 alpha/MAPK14 antibody [Y122] - BSA and Azide free (ab227995)

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

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