abcam

Product datasheet

Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free ab250081

Recombinant RabMAb

11 Images

Overview

Product name	Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free
Description	Rabbit monoclonal [EPR16586] to JunD (phospho S100) + c-Jun (phospho S73) - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** Dot blot, WB, IP, IHC-P
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	ab250081 is the carrier-free version of **ab178858**. 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® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16586
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250081 in the following tested applications.

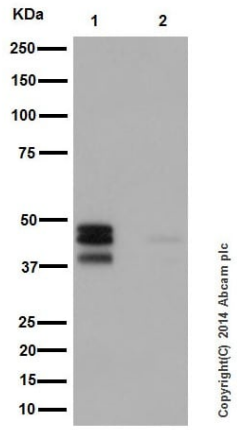
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Dot blot		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 40,45,48 kDa (predicted molecular weight: 36 kDa).
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Cellular localization JunD: Nucleus. c-Jun: Nucleus.

Images



Western blot - Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

All lanes : Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] (**ab178858**) at 1/10000 dilution

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) treated with 250 ng/ml Anisomycin for 30 minutes whole cell lysate
Lane 2 : Untreated HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG,(H+L),Peroxidase conjugated at 1/1000 dilution

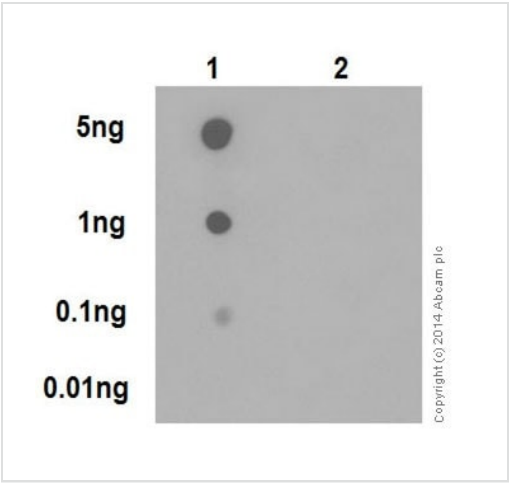
Predicted band size: 36 kDa
Observed band size: 40,45,48 kDa

Exposure time: 3 minutes

This data was developed using **ab178858**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.

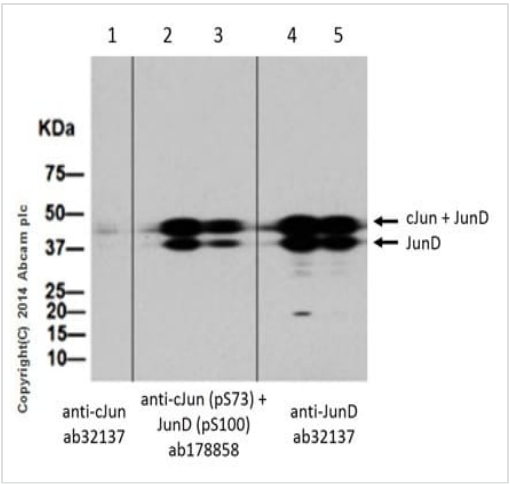
Per the blast, **ab178858** could recognize JunD (phospho Ser100) with 100% homology. Multi-bands are due to c-Jun (phospho Ser73) & JunD (phospho Ser100).



Dot Blot - Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

This data was developed using **ab178858**, the same antibody clone in a different buffer formulation.

Dot blot analysis of JunD (phospho S100) + c-Jun (phospho S73) peptide (Lane 1) and non-phospho peptide (Lane 2) labeled using **ab178858** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated secondary antibody at 1/1000 dilution.Blocking/Dilution buffer: 5% NFDM/TBST.Exposure time: 3 minutes.



Western blot - Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

Lanes 1 & 4-5 : Anti-c-Jun antibody [E254] - ChIP Grade (**ab32137**)
Lanes 2-3 : Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] (**ab178858**) at 1/10000 dilution

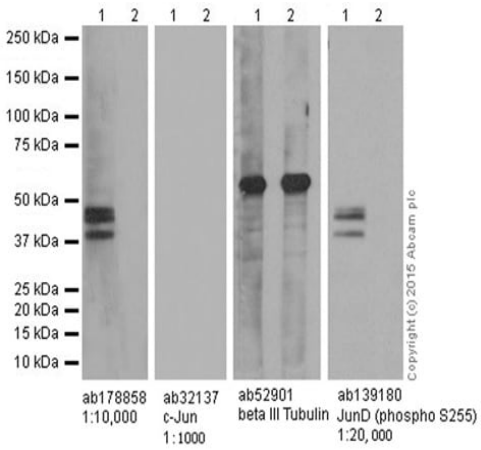
Lanes 1 & 3 & 5 : Untreated HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate
Lanes 2 & 4 : HeLa (Human epithelial cell line from cervix adenocarcinoma) treated with 250 ng/ml Anisomycin for 30 minutes whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG,(H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 36 kDa
Observed band size: 40,45 kDa

Exposure time: 3 minutes



Western blot - Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

This data was developed using **ab178858**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.

All lanes : Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] (**ab178858**) at 1/10000 dilution

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) treated with 250 ng/ml Anisomycin for 30 minutes whole cell lysate
Lane 2 : HeLa (Human epithelial cell line from cervix adenocarcinoma) treated with 250 ng/ml Anisomycin for 30 minutes, whole cell lysate treated with Alkaline Phosphatase

Lysates/proteins at 10 µg per lane.

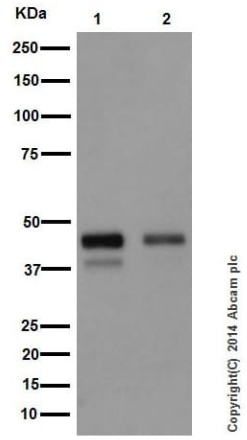
Secondary
All lanes : Goat Anti-Rabbit IgG,(H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 36 kDa
Observed band size: 40,45 kDa

Exposure time: 3 minutes

This data was developed using **ab178858**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

All lanes : Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] (**ab178858**) at 1/10000 dilution

Lane 1 : NIH/3T3 (Mouse embryo fibroblast cell line) treated with 250 ng/ml Anisomycin for 30 minutes whole cell lysate
Lane 2 : Untreated NIH/3T3 (Mouse embryo fibroblast cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG,(H+L),Peroxidase conjugated at 1/1000 dilution

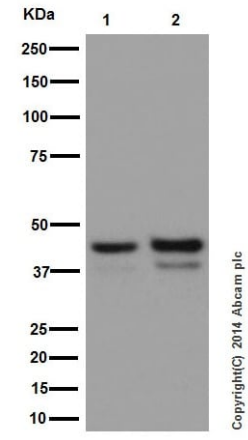
Predicted band size: 36 kDa
Observed band size: 40,45 kDa

Exposure time: 1 minute

This data was developed using **ab178858**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.

Per the blast, **ab178858** could recognize JunD (phospho Ser100) with 100% homology. Multi-bands are due to c-Jun (phospho Ser73) & JunD (phospho Ser100).



Western blot - Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

All lanes : Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] (**ab178858**) at 1/1000 dilution

Lane 1 : RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate
Lane 2 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG,(H+L),Peroxidase conjugated at 1/1000 dilution

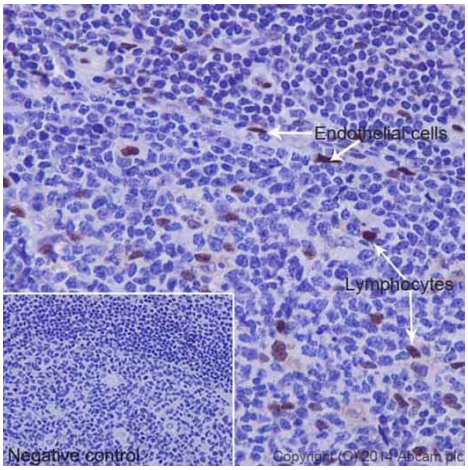
Predicted band size: 36 kDa
Observed band size: 40,45 kDa

Exposure time: 3 minutes

This data was developed using **ab178858**, the same antibody clone in a different buffer formulation.

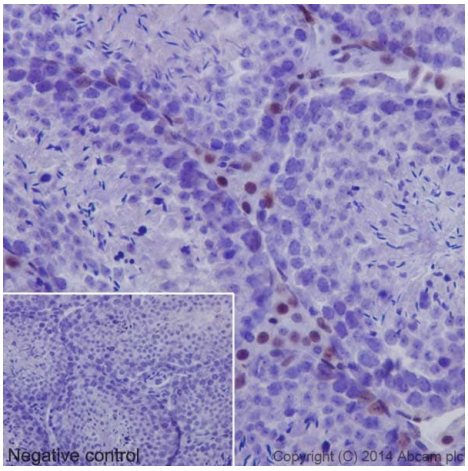
Blocking and dilution buffer: 5% NFDM/TBST.

Per the blast, **ab178858** could recognize JunD (phospho Ser100) with 100% homology. Multi-bands are due to c-Jun (phospho Ser73) & JunD (phospho Ser100).



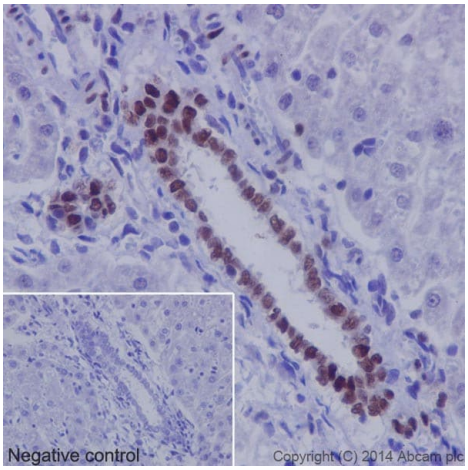
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

This data was developed using **ab178858**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling JunD (phospho S100) + c-Jun (phospho S73) with **ab178858** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear staining on lymphocytes and endothelial cells of Human tonsil is observed. Counter stained with Hematoxylin. Negative Control: Used PBS instead of primary antibody, secondary antibody is **ab97051** at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



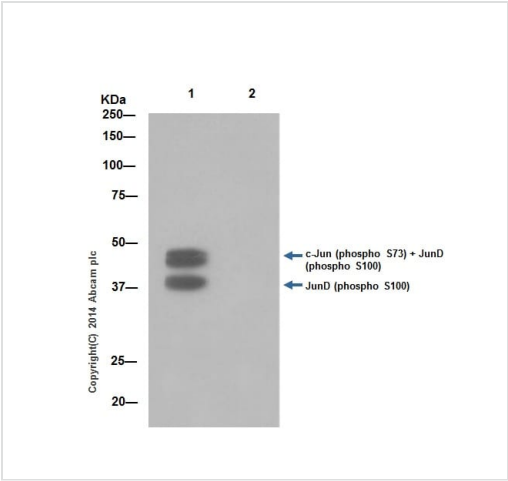
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

This data was developed using **ab178858**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded mouse testis tissue labeling JunD (phospho S100) + c-Jun (phospho S73) with **ab178858** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear staining on spermatogoniums and Leydig cells of mouse testis is observed. Counter stained with Hematoxylin. Negative Control: Used PBS instead of primary antibody, secondary antibody is **ab97051** at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

This data was developed using **ab178858**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded rat liver tissue labeling JunD (phospho S100) + c-Jun (phospho S73) with **ab178858** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear staining on bile duct epithelial cells while no staining on hepatocytes of rat liver is observed. Counter stained with Hematoxylin. Negative control: Used PBS instead of primary antibody, secondary antibody is **ab97051** at 1/500 dilution. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

This data was developed using **ab178858**, the same antibody clone in a different buffer formulation.JunD (phospho S100) + c-Jun (phospho S73) were immunoprecipitated from 1mg of HeLa (Human epithelial cell line from cervix adenocarcinoma), treated with 250ng/ml Anisomycin for 30 minutes, whole cell extract with **ab178858** at 1/100 dilution. Western blot was performed from the immunoprecipitate using **ab178858** at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG was used as secondary antibody at 1/1500 dilution.
Lane 1: HeLa, treated with 250ng/ml Anisomycin for 30 minutes, whole cell extract
Lane 2: PBS.
Blocking and dilution buffer and concentration: 5% NFDM/TBST.
Exposure time: 10 seconds. Per the blast, **ab178858** could recognize JunD (phospho Ser100) with 100% homology. Multi-bands are due to c-Jun (phospho Ser73) & JunD (phospho Ser100)

Anti-JunD (phospho S100) + c-Jun (phospho S73) antibody [EPR16586] - BSA and Azide free (ab250081)

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.com/abpromise** or contact our technical team.

Terms and conditions

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