

## Product datasheet

# Anti-JunD antibody [EPR17365] ab181615

Recombinant RabMAb

[2 References](#) [10 Images](#)

### Overview

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<b>Product name</b>	Anti-JunD antibody [EPR17365]
<b>Description</b>	Rabbit monoclonal [EPR17365] to JunD
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment within Mouse JunD aa 1-150. The exact sequence is proprietary. Database link: <a href="#">P15066</a>
<b>Positive control</b>	WB: 293T, Jurkat, HeLa, C6, Raw264.7, PC12, NIH 3T3 cell lysates; Human fetal liver, fetal brain, fetal heart and fetal kidney lysates. IHC-P: Human mammary gland tissue and lung squamous cell carcinoma tissue; Mouse and rat cerebral cortex tissues. ICC/IF: HeLa cells.

### General notes

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<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise<sup>™</sup> guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR17365
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab181615** 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
WB		1/1000. Detects a band of approximately 39,42 kDa (predicted molecular weight: 35 kDa).
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/10000.

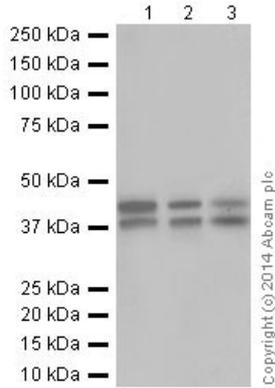
## Target

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<b>Function</b>	Transcription factor binding AP-1 sites.
<b>Sequence similarities</b>	Belongs to the bZIP family. Jun subfamily. Contains 1 bZIP domain.
<b>Cellular localization</b>	Nucleus.

## Images

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Western blot - Anti-JunD antibody [EPR17365] (ab181615)

**All lanes** : Anti-JunD antibody [EPR17365] (ab181615) at 1/1000 dilution

**Lane 1** : 293T (Human epithelial cells from embryonic kidney) whole cell lysate at 20 µg

**Lane 2** : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate at 20 µg

**Lane 3** : Human fetal liver lysate at 10 µg

**Secondary**

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

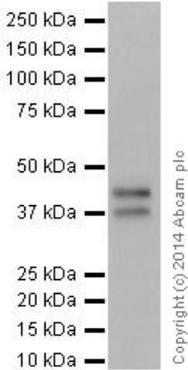
**Predicted band size:** 35 kDa

**Observed band size:** 39,42 kDa

[why is the actual band size different from the predicted?](#)

**Exposure time:** 3 minutes

5% NFDm/TBST: Blocking and diluting buffer.



Western blot - Anti-JunD antibody [EPR17365] (ab181615)

Anti-JunD antibody [EPR17365] (ab181615) at 1/1000 dilution + HeLa (Human epithelial cells from cervix adenocarcinoma ) whole cell lysate at 20 µg

**Secondary**

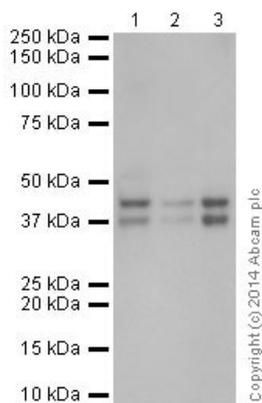
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 35 kDa

**Observed band size:** 39,42 kDa [why is the actual band size different from the predicted?](#)

**Exposure time:** 5 seconds

5% NFDm/TBST: Blocking and diluting buffer.



Western blot - Anti-JunD antibody [EPR17365] (ab181615)

**All lanes** : Anti-JunD antibody [EPR17365] (ab181615) at 1/1000 dilution

**Lane 1** : Human fetal brain lysate

**Lane 2** : Human fetal heart lysate

**Lane 3** : Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

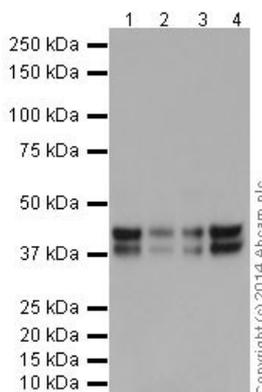
**All lanes** : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 35 kDa

**Observed band size:** 39,42 kDa [why is the actual band size different from the predicted?](#)

**Exposure time:** 1 minute

5% NFDM/TBST: Blocking and diluting buffer.



Western blot - Anti-JunD antibody [EPR17365] (ab181615)

**All lanes** : Anti-JunD antibody [EPR17365] (ab181615) at 1/1000 dilution

**Lane 1** : C6 (Rat glial tumor cells) whole cell lysate

**Lane 2** : Raw264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus ) whole cell lysate

**Lane 3** : PC12 (Rat adrenal gland pheochromocytoma ) whole cell lysate

**Lane 4** : NIH 3T3 (Mouse embryo fibroblast cells ) 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

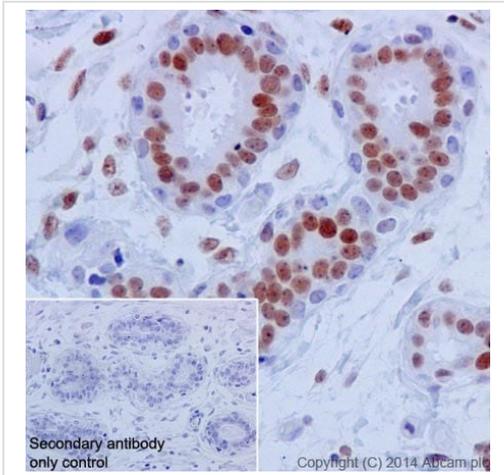
**Predicted band size:** 35 kDa

**Observed band size:** 39,42 kDa [why is the actual band size](#)

different from the predicted?

**Exposure time:** 30 seconds

5% NFDN/TBST: Blocking and diluting buffer.



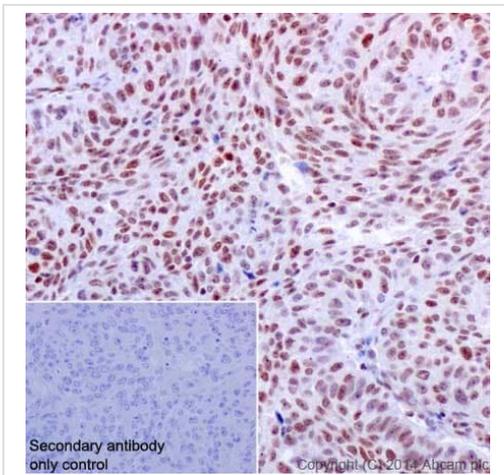
Immunohistochemical analysis of paraffin-embedded Human mammary gland tissue labeling JunD using ab181615 at 1/1000 dilution. A Goat Anti-Rabbit IgG H&L (HRP) (ab97051) was used as secondary at 1/500 dilution. Counterstain: Hematoxylin.

Inset image: negative control obtained using PBS instead of ab181615 and secondary antibody only.

Note: Nuclear staining on the epithelial cells of Human mammary gland was observed.

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 antibody  
[EPR17365] (ab181615)



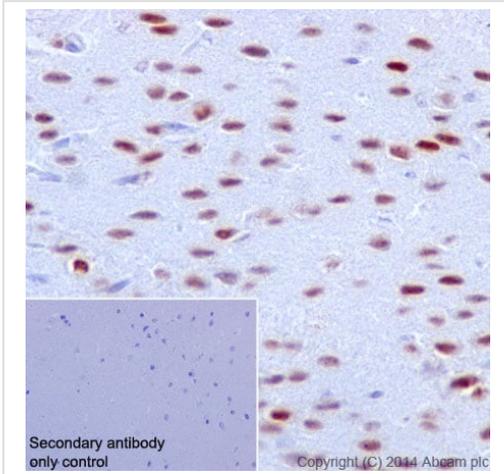
Immunohistochemical analysis of paraffin-embedded Human lung squamous cell carcinoma tissue labeling JunD using ab181615 at 1/1000 dilution. A Goat Anti-Rabbit IgG H&L (HRP) (ab97051) was used as secondary at 1/500 dilution. Counterstain: Hematoxylin.

Inset image: negative control obtained using PBS instead of ab181615 and secondary antibody only.

Note: Nucleus staining on the cancer cells of lung squamous cell carcinoma was observed.

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 antibody  
[EPR17365] (ab181615)



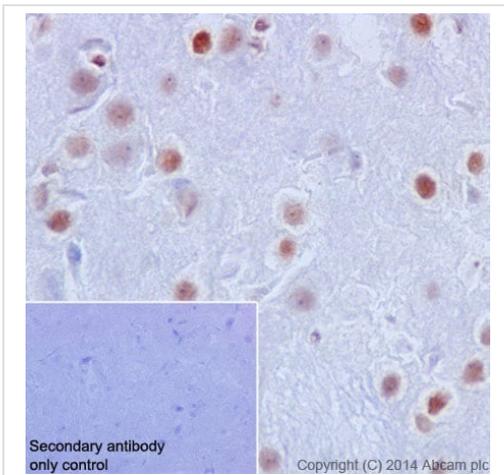
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JunD antibody [EPR17365] (ab181615)

Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex tissue labeling JunD using ab181615 at 1/1000 dilution. A Goat Anti-Rabbit IgG H&L (HRP) (ab97051) was used as secondary at 1/500 dilution. Counterstain: Hematoxylin.

Inset image: negative control obtained using PBS instead of ab181615 and secondary antibody only.

Note: Nuclear staining on neurons of the mouse cerebral cortex was observed.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



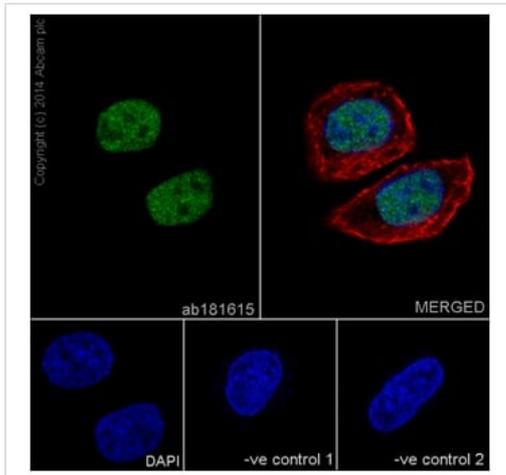
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JunD antibody [EPR17365] (ab181615)

Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex tissue labeling JunD using ab181615 at 1/1000 dilution. A Goat Anti-Rabbit IgG H&L (HRP) (ab97051) was used as secondary at 1/500 dilution. Counterstain: Hematoxylin.

Inset image: negative control obtained using PBS instead of ab181615 and secondary antibody only.

Note: Nuclear staining on neurons of the rat cerebral cortex was observed.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-JunD antibody [EPR17365] (ab181615)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cells from cervix adenocarcinoma) cells, labeling JunD with ab181615 at 1/10000 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (ab150077) secondary antibody at 1/500 dilution (green). Confocal image shows nuclear staining on the HeLa cell line. The nuclear counter stain is DAPI (blue) . Tubulin is detected with ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution and ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:

1. ab181615 at 1/10000 dilution followed by ab150120 (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.
2. ab7291 (anti-Tubulin mouse mAb) at 1/1000 dilution followed by ab150077 (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-JunD antibody [EPR17365] (ab181615)

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

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