abcam

Product datasheet

Anti-JunD antibody [EPR17365] ab181615

Recombinant RabMAb

1 Abreviews 6 References 10 Images

Overview

Product name	Anti-JunD antibody [EPR17365]
Description	Rabbit monoclonal [EPR17365] to JunD
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, ICC/IF
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	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® 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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17365
Isotype	IgG

Applications

The Abpromise guarantee 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.

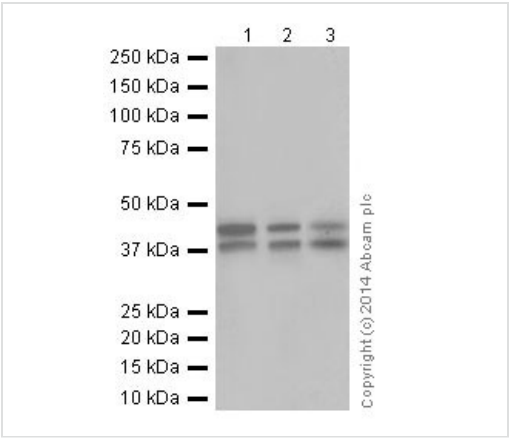
Target

Function Transcription factor binding AP-1 sites.

Sequence similarities Belongs to the bZIP family. Jun subfamily.
Contains 1 bZIP domain.

Cellular localization Nucleus.

Images



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

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

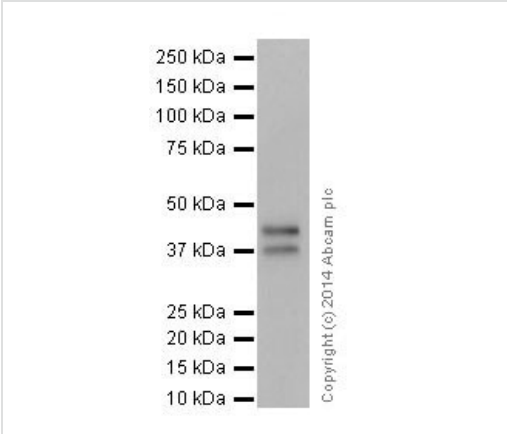
Lane 1 : 293T (Human epithelial cells from embryonic kidney) whole cell lysate at 20 µg
Lane 2 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate at 20 µg
Lane 3 : Human fetal liver lysate at 10 µg

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

Exposure time: 3 minutes

5% NFDM/TBST: Blocking and diluting buffer.



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

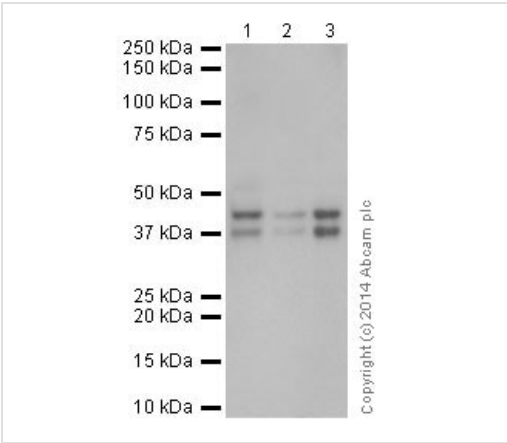
Anti-JunD antibody [EPR17365] (ab181615) at 1/1000 dilution + HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate at 20 µg

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

Predicted band size: 35 kDa
Observed band size: 39,42 kDa

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

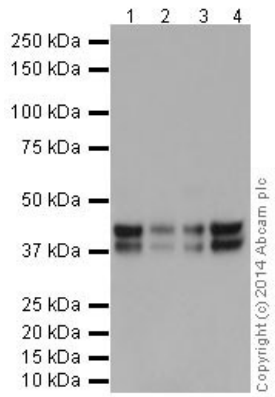
Lysates/proteins at 10 µg per lane.

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

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 embyro fibroblast cells) whole cell lysate

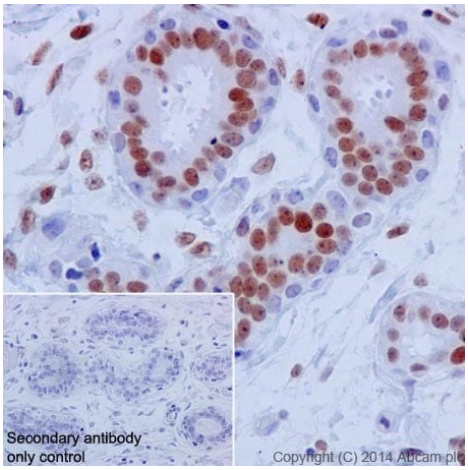
Lysates/proteins at 10 µg per lane.

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

Exposure time: 30 seconds

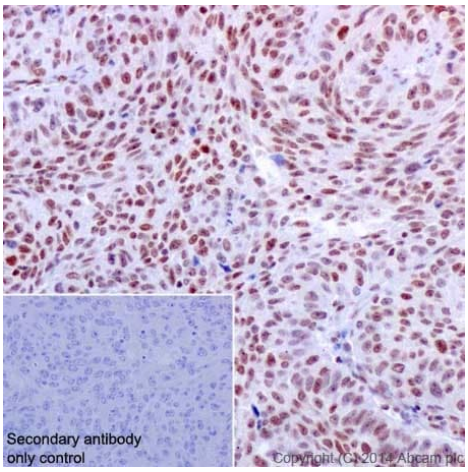
5% NFDM/TBST: Blocking and diluting buffer.



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

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.

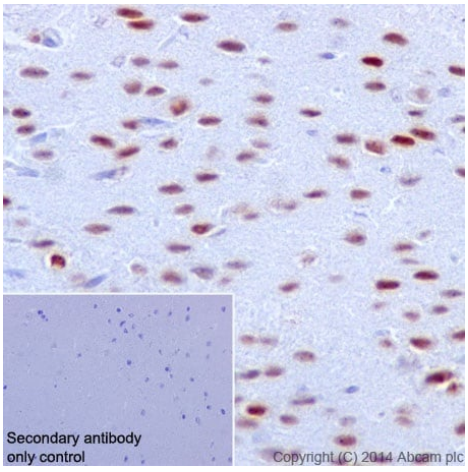
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



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.

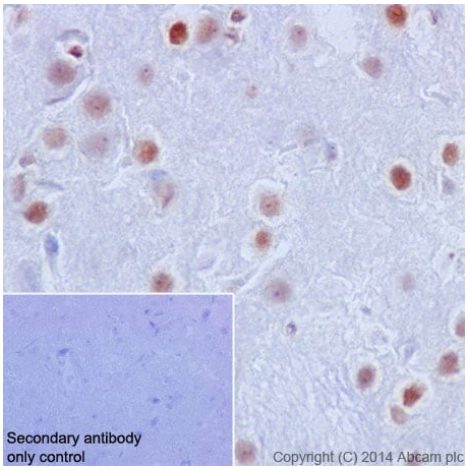
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



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

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.

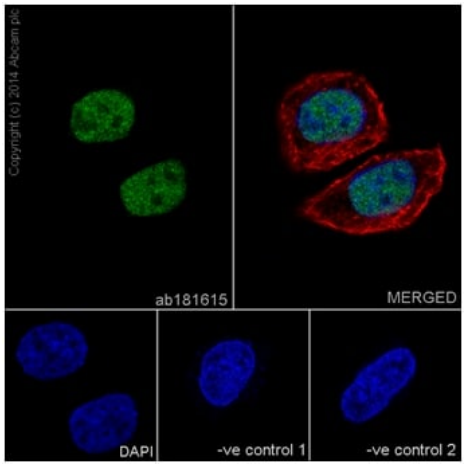
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



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

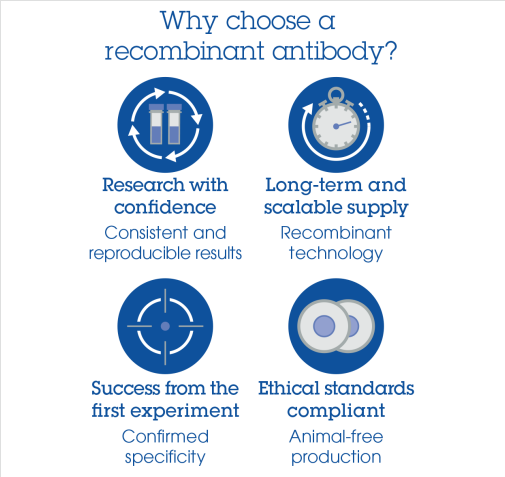
Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex tissue labeling JunD using ab181615 at 1/1000 dilution. A Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) was used as secondary at 1/500 dilution. Counterstain: Hematoxylin.
Inset image: negative control obtained using PBS instead of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



Anti-JunD antibody [EPR17365] (ab181615)

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