

## Product datasheet

### Anti-JunD antibody [EPR6520] $\alpha$ b134067

Recombinant RabMAb

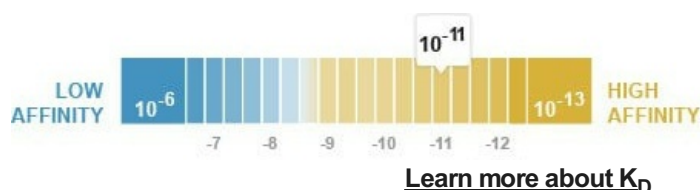
★★★★★ [2 Abreviews](#) [5 References](#) [9 Images](#)

#### Overview

Product name	Anti-JunD antibody [EPR6520]
Description	Rabbit monoclonal [EPR6520] to JunD
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, IP, ICC/IF <b>Unsuitable for:</b> IHC-P
Species reactivity	<b>Reacts with:</b> Human
Immunogen	Synthetic peptide within Human JunD aa 100-200. The exact sequence is proprietary.
Positive control	293T, Jurkat, HepG2 and HeLa whole cell lysate ( <a href="#">ab150035</a> ); Human skin and kidney tissue; HeLa cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant ( $K_D$ )	$K_D = 1.60 \times 10^{-11}$ M



Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide
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	Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR6520
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab134067 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

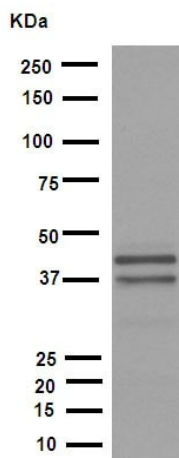
Application	Abreviews	Notes
<b>WB</b>		1/10000. Detects a band of approximately 39, 43 kDa (predicted molecular weight: 35 kDa). <b>For unpurified, use 1/5000.</b>
<b>IP</b>	★★★★★ (1)	1/50. <b>For unpurified, use 1/30.</b>
<b>ICC/IF</b>	★★★★★ (1)	1/300. <b>For unpurified, use 1/200.</b>

**Application notes** Is unsuitable for IHC-P.

## Target

<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



Western blot - Anti-JunD antibody [EPR6520]  
(ab134067)

Anti-JunD antibody [EPR6520] (ab134067) at 1/10000 dilution  
(purified) + HeLa cell lysate at 10 µg

### Secondary

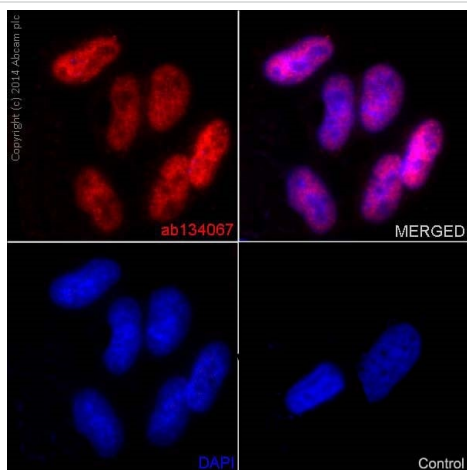
HRP goat anti-rabbit (H+L) at 1/1000 dilution

**Predicted band size:** 35 kDa

**Observed band size:** 39,43 kDa

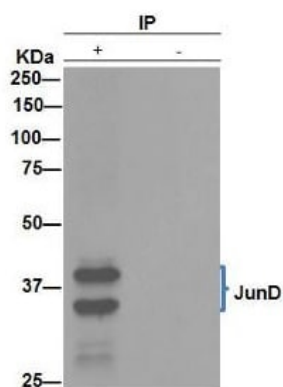
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Immunocytochemistry/ Immunofluorescence - Anti-JunD antibody [EPR6520] (ab134067)

Immunofluorescence staining of HeLa cells with unpurified ab134067 at a working dilution of 1 in 300, counter-stained with DAPI. The secondary antibody was Alexa Fluor® 555 goat anti rabbit, used at a dilution of 1 in 500. The cells were fixed in 4% PFA. The negative control is shown in bottom right hand panel - for the negative control, purified ab134067 was used at a dilution of 1/200 followed by an Alexa Fluor® 488 goat anti-mouse antibody at a dilution of 1/500.

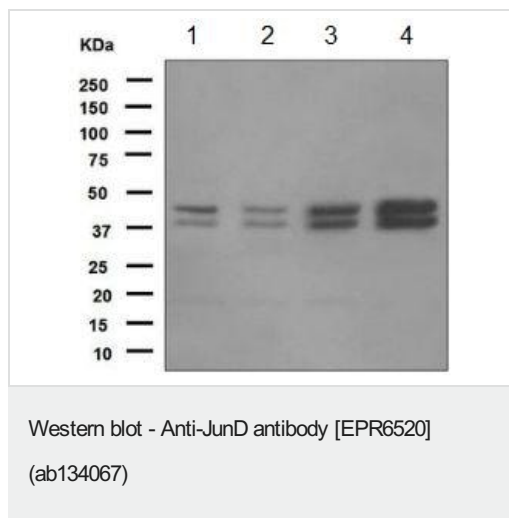


Immunoprecipitation - Anti-JunD antibody [EPR6520]  
(ab134067)

ab134067 (purified) at 1/50 immunoprecipitating JunD in HepG2 cell lysate (Lane 1). Lane 2 - PBS. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



**All lanes :** Anti-JunD antibody [EPR6520] (ab134067) at 1/10000 dilution (unpurified)

**Lane 1 :** 293T cell lysate

**Lane 2 :** Jurkat cell lysate

**Lane 3 :** HepG2 cell lysate

**Lane 4 :** HeLa cell lysate

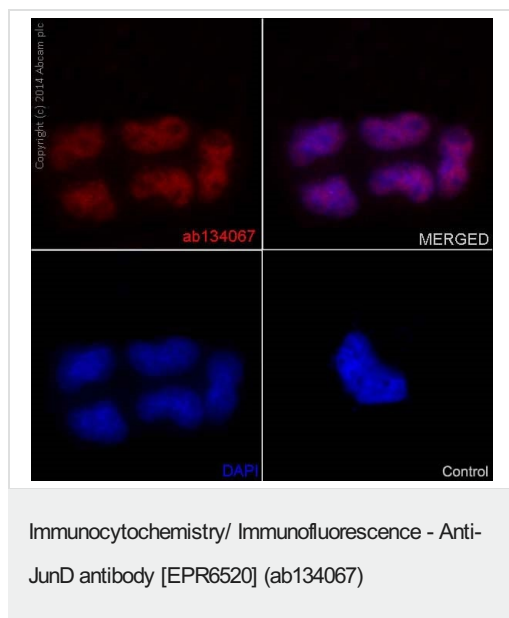
Lysates/proteins at 10 µg per lane.

## Secondary

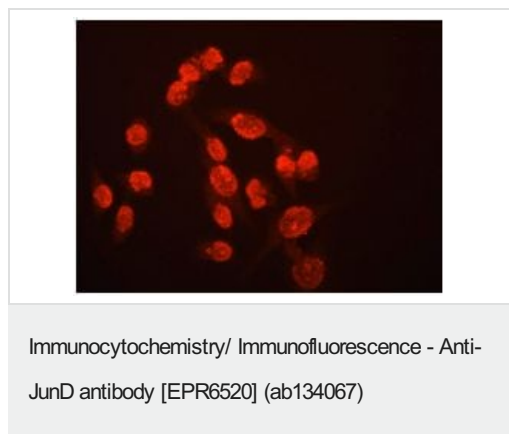
**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 35 kDa

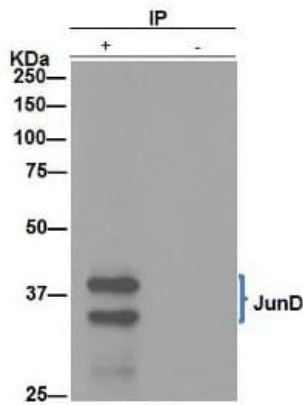
**Observed band size:** 39,43 kDa



Immunofluorescence staining of HeLa cells with unpurified ab134067 at a working dilution of 1 in 200, counter-stained with DAPI. The secondary antibody was Alexa Fluor® 555 goat anti rabbit, used at a dilution of 1 in 500. The cells were fixed in 4% PFA. The negative control is shown in bottom right hand panel - for the negative control, unpurified ab134067 was used at a dilution of 1/200 followed by an Alexa Fluor® 488 goat anti-mouse antibody at a dilution of 1/500.



Immunofluorescent analysis of HeLa cells labelling JunD with unpurified ab134067 at 1/100 dilution.

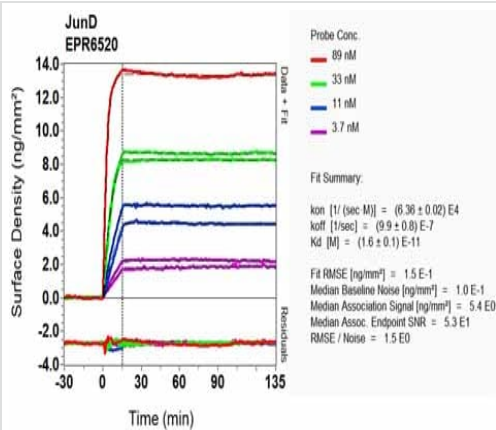


Immunoprecipitation - Anti-JunD antibody [EPR6520]  
(ab134067)

ab134067 (unpurified) at 1/30 immunoprecipitating JunD in HepG2 cell lysate (Lane 1). Lane 2 - PBS. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



SPR Scanning - Anti-JunD antibody [EPR6520]  
(ab134067)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

Why choose a  
recombinant antibody?



**Research with  
confidence**  
Consistent and  
reproducible results



**Long-term and  
scalable supply**  
Recombinant  
technology



**Success from the  
first experiment**  
Confirmed  
specificity



**Ethical standards  
compliant**  
Animal-free  
production

Anti-JunD antibody [EPR6520] (ab134067)

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

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