


## Product datasheet

# Anti-PCBP2/hnRNP E2 antibody [EPR14858] ab184962

Recombinant RabMAb

[5 References](#) [7 Images](#)

### Overview

<b>Product name</b>	Anti-PCBP2/hnRNP E2 antibody [EPR14858]
<b>Description</b>	Rabbit monoclonal [EPR14858] to PCBP2/hnRNP E2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, ICC/IF, WB, IHC-P, Flow Cyt (Intra)
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	HeLa, Raji and K562 cell lysates; Human clear cell carcinoma of kidney tissue; Human skin tissue; HeLa cells.
<b>General notes</b>	<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

<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>	pH: 7.2 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>	EPR14858

## Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab184962 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
IP		1/40 - 1/60.
ICC/IF		1/250.
WB		1/1000 - 1/10000. Detects a band of approximately 35, 39 kDa (predicted molecular weight: 39 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt (Intra)		1/110. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

## Target

### Function

Single-stranded nucleic acid binding protein that binds preferentially to oligo dC. Major cellular poly(rC)-binding protein. Binds also poly(rU). Negatively regulates cellular antiviral responses mediated by MAVS signaling. It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitination and degradation.

### Tissue specificity

Detected in all tissues examined.

### Sequence similarities

Contains 3 KH domains.

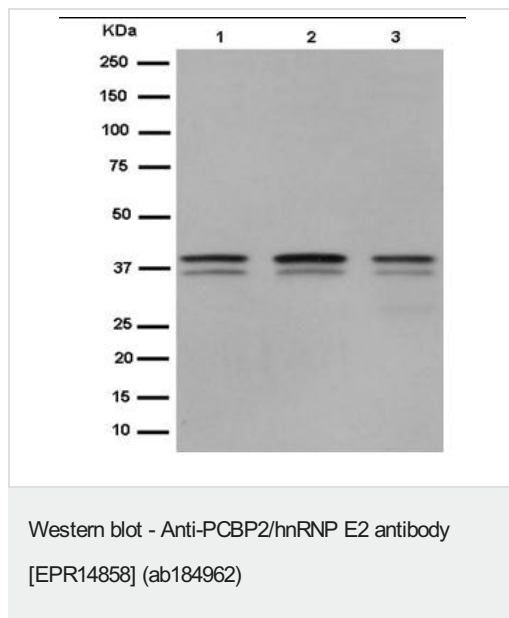
### Post-translational modifications

Phosphorylated. The non-phosphorylated form(s) exhibited the strongest poly(rC)-binding activity.

### Cellular localization

Nucleus. Cytoplasm. Loosely bound in the nucleus. May shuttle between the nucleus and the cytoplasm.

## Images



**All lanes :** Anti-PCBP2/hnRNP E2 antibody [EPR14858] (ab184962) at 1/5000 dilution

**Lane 1 :** HeLa cell lysate

**Lane 2 :** Raji cell lysate

**Lane 3 :** K562 cell lysate

#### Secondary

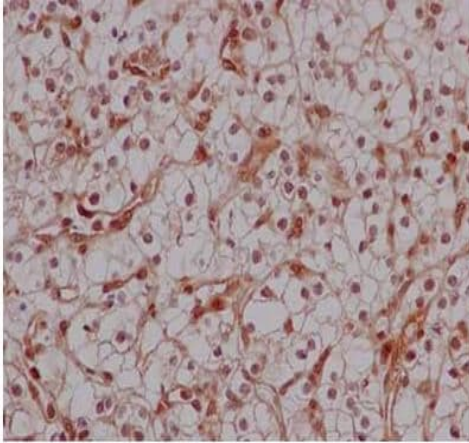
**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 39 kDa



Immunohistochemical analysis of paraffin-embedded human skin tissue labeling PCBP2/hnRNP E2 with ab184962 at 1/100 dilution followed by pre-diluted HRP-conjugated secondary antibody and counter-stained with Hematoxylin.

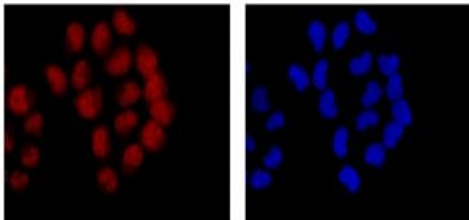
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCBP2/hnRNP E2 antibody [EPR14858] (ab184962)

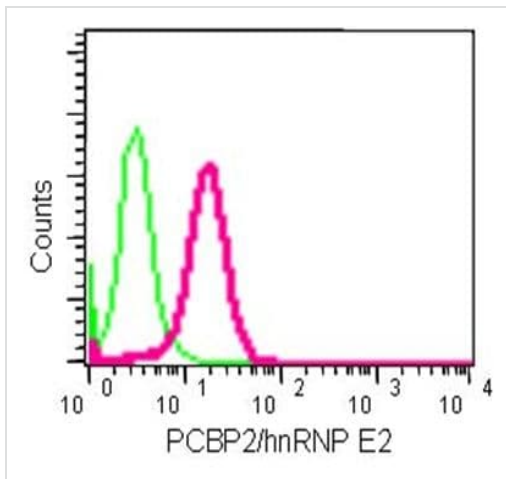
Immunohistochemical analysis of paraffin-embedded Human clear cell carcinoma of kidney tissue labeling PCBP2/hnRNP E2 with ab184962 at 1/100 dilution followed by pre-diluted HRP-conjugated secondary antibody and counter-stained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



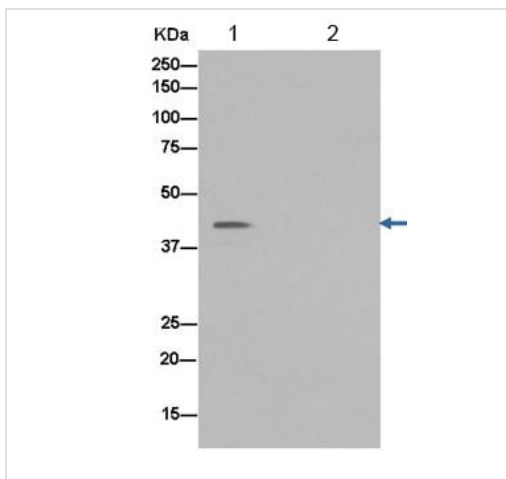
Immunocytochemistry/ Immunofluorescence - Anti-PCBP2/hnRNP E2 antibody [EPR14858] (ab184962)

Immunofluorescent analysis of HeLa cells (-20°C Acetone-fixed) labeling PCBP2/hnRNP E2 with ab184962 at 1/250 dilution (red) followed by Goat anti rabbit IgG (Alexa Fluor®555) secondary at 1/200 dilution and counter-stained with DAPI (blue).



Intracellular flow cytometric analysis of HeLa cells (2% paraformaldehyde-fixed) labeling PCBP2/hnRNP E2 with ab184962 at 1/110 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.

Flow Cytometry (Intracellular) - Anti-PCBP2/hnRNP E2 antibody [EPR14858] (ab184962)



Immunoprecipitation analysis of HeLa lysates labeling PCBP2/hnRNP E2 with **ab18492** at 1/50 dilution (Lane 1) and PBS (Lane 2). Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG used as secondary antibody.

Immunoprecipitation - Anti-PCBP2/hnRNP E2 antibody [EPR14858] (ab184962)

### Why choose a recombinant antibody?



Anti-PCBP2/hnRNP E2 antibody [EPR14858] (ab184962)

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

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