

Product datasheet

Anti-PCBP2/hnRNP E2 antibody [EPR14858] - BSA and Azide free ab236137

Recombinant RabMAb

[1 References](#) [6 Images](#)

Overview

Product name	Anti-PCBP2/hnRNP E2 antibody [EPR14858] - BSA and Azide free
Description	Rabbit monoclonal [EPR14858] to PCBP2/hnRNP E2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, IP, ICC/IF, Flow Cyt, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human PCBP2/hnRNP E2 aa 150-250. The exact sequence is proprietary. Database link: Q15366
Positive control	IHC-P: Human skin tissue.
General notes	<p>Ab236137 is the carrier-free version of ab184962. This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</p> <p>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.</p> <p>ab236137 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. <i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next</p>

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™ 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

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	EPR14858
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab236137** in the following tested applications.

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

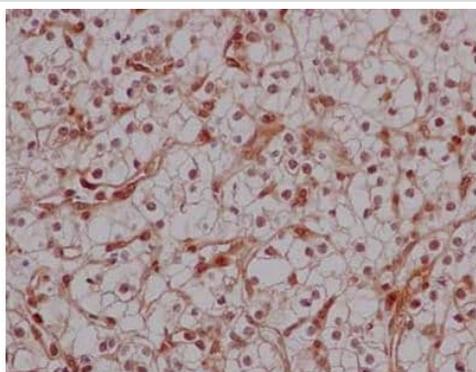
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Detects a band of approximately 35, 39 kDa (predicted molecular weight: 39 kDa).

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

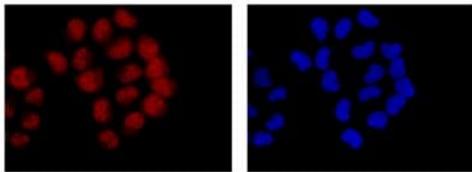


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCBP2/hnRNP E2 antibody [EPR14858] - BSA and Azide free (ab236137)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab184962](#)).

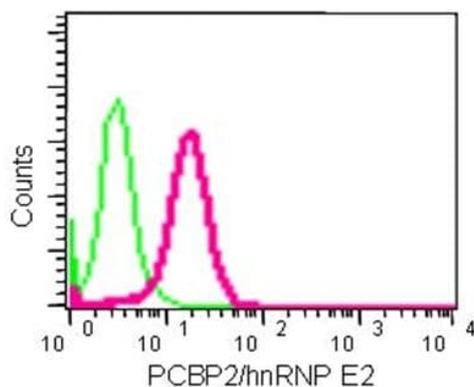
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-PCBP2/hnRNP E2 antibody [EPR14858] - BSA and Azide free (ab236137)

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).

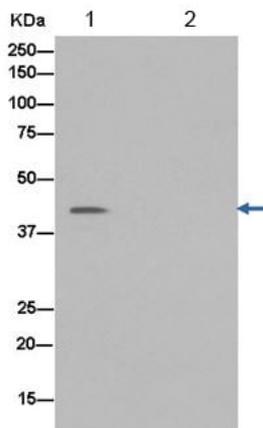
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab184962](#)).



Flow Cytometry - Anti-PCBP2/hnRNP E2 antibody [EPR14858] - BSA and Azide free (ab236137)

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.

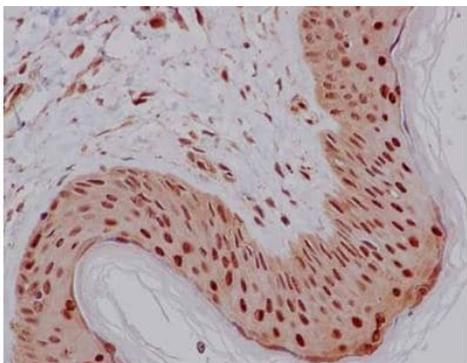
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab184962](#)).



Immunoprecipitation - Anti-PCBP2/hnRNP E2 antibody [EPR14858] - BSA and Azide free (ab236137)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab184962](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCBP2/hnRNP E2 antibody [EPR14858] - BSA and Azide free (ab236137)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab184962](#)).

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

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

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

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