

## Product datasheet

# Anti-RRP4 antibody [EPR13605] - N-terminal ab181211

Recombinant **RabMAb**

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

### Overview

<b>Product name</b>	Anti-RRP4 antibody [EPR13605] - N-terminal
<b>Description</b>	Rabbit monoclonal [EPR13605] to RRP4 - N-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IP, IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human RRP4 aa 1-100 (N terminal). The exact sequence is proprietary. Database link: <a href="#">Q13868</a>
<b>Positive control</b>	HepG2, HeLa and 293 cell lysates; Human kidney tissue; HepG2 cells.
<b>General notes</b>	

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

<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: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13605
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab181211** in the following tested applications.

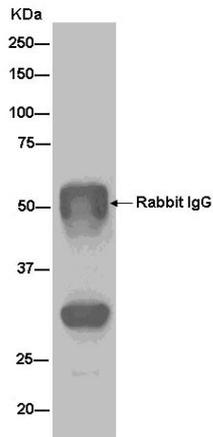
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100 - 1/250.
IP		1/40 - 1/60.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/10000 - 1/50000. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa).

## Target

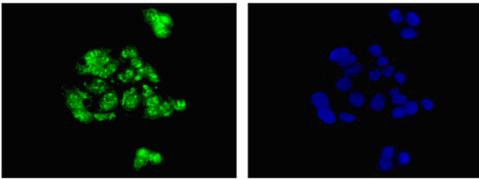
<b>Relevance</b>	The exosome, present in both the nucleus and cytoplasm of all eukaryotic cells, is a complex of 3'-5' exoribonucleases containing at least nine core components. Recently, it has been demonstrated, mainly by analyses in yeast, that the nuclear exosome is essential for rRNA processing and sn(o)RNA biogenesis. Furthermore, it is involved in the degradation of improperly processed mRNAs. The cytoplasmic exosome participates in normal mRNA turnover and in the degradation of inherently unstable mRNAs that contain AU-rich elements. Therefore, the exosome plays a key role in RNA metabolism.
<b>Cellular localization</b>	Cytoplasmic, Exosome and Nuclear

## Images



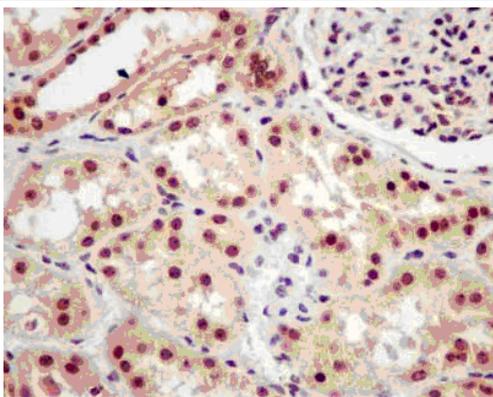
Immunoprecipitation - Anti-RRP4 antibody  
[EPR13605] - N-terminal (ab181211)

Western blot analysis of immunoprecipitation pellet from 293 cell lysate immunoprecipitated using ab181211 at 1/50 dilution.  
Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-RRP4 antibody [EPR13605] - N-terminal (ab181211)

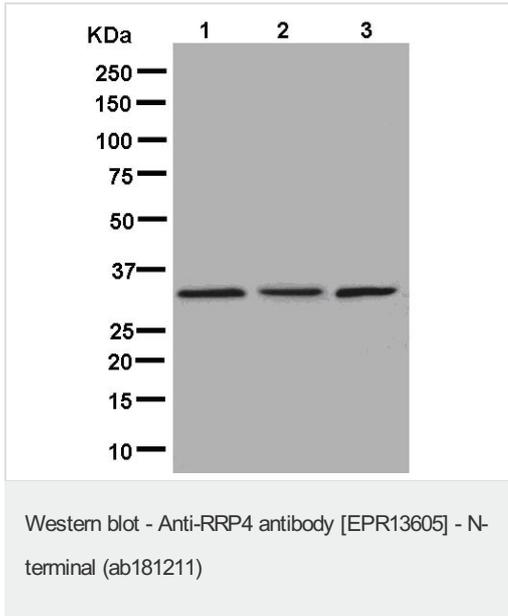
Immunofluorescent analysis of HepG2 cells (paraformaldehyde-fixed, 4%) labeling RRP4 with ab181211 at 1/250 dilution followed by Goat anti rabbit IgG (Alexa Fluor® 488) secondary at 1/200 dilution and counter-stained with DAPI (blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RRP4 antibody  
[EPR13605] - N-terminal (ab181211)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling RRP4 with ab181211 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.



**All lanes :** Anti-RRP4 antibody [EPR13605] - N-terminal (ab181211) at 1/50000 dilution

**Lane 1 :** HepG2 cell lysate

**Lane 2 :** HeLa cell lysate

**Lane 3 :** 293 cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

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

**Predicted band size:** 33 kDa

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-RRP4 antibody [EPR13605] - N-terminal (ab181211)

**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