

Product datasheet

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

Recombinant **RabMAb**

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

Overview

Product name	Anti-RRP4 antibody [EPR13605] - N-terminal
Description	Rabbit monoclonal [EPR13605] to RRP4 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IP, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HepG2, HeLa and 293 cell lysates; Human kidney tissue; HepG2 cells.
General notes	<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>

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: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13605
Isotype	IgG

Applications

Applications

The Abpromise guarantee

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

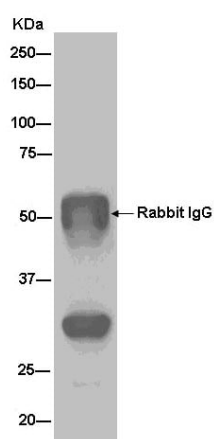
Relevance

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.

Cellular localization

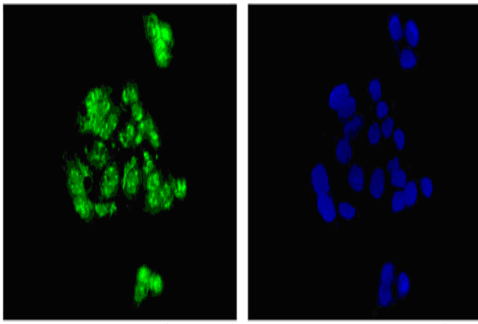
Cytoplasmic, Exosome and Nuclear

Images



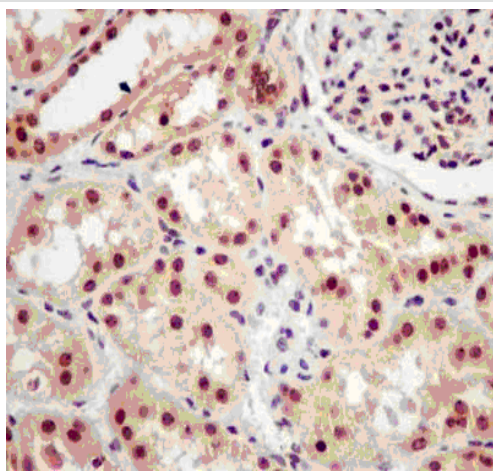
Western blot analysis of immunoprecipitation pellet from 293 cell lysate immunoprecipitated using ab181211 at 1/50 dilution. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution.

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



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

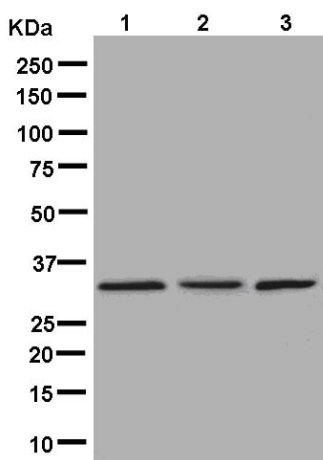
Immunofluorescent analysis of HepG2 cells (paraformaldehyde-fixed, 4%) labeling RRP4 with ab181211 at 1/250 dilution followed by Goat anti rabbit IgG (Alexa Fluor® 488) secondary at 1/200 dilution and counter-stained with DAPI (blue).



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.



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

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"

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