



Product datasheet

Anti-RFP antibody [EPR18992] ab185921

Recombinant **RabMAb**

[1 References](#) [3 Images](#)

Overview

Product name	Anti-RFP antibody [EPR18992]
Description	Rabbit monoclonal [EPR18992] to RFP
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Species independent
Immunogen	<p>Recombinant full length protein within RFP aa 1 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. (Entacmaea quadricolor)</p> <p>Database link: Q8ISF8</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	WB: RFP transfected HEK-293 whole cell lysate. ICC/IF: RFP transfected HEK-293 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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR18992
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab185921 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

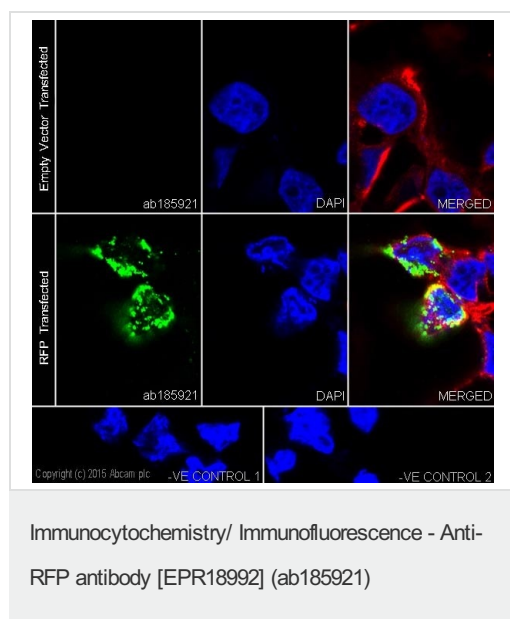
Application	Abreviews	Notes
ICC/IF		1/100.
WB		1/10000. Detects a band of approximately 26 kDa (predicted molecular weight: 26 kDa).

Target

Relevance

Fluorescent proteins have become a useful and ubiquitous tool for making chimeric proteins, where they function as a fluorescent protein tag. Typically they tolerate N- and C-terminal fusion to a broad variety of proteins. They have been expressed in most known cell types and are used as a noninvasive fluorescent marker in living cells and organisms. They enable a wide range of applications where they have functioned as a cell lineage tracer, reporter of gene expression, or as a measure of protein-protein interactions.

Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Empty vector transfected or RFP transfected HEK-293 (Human epithelial cell line from embryonic kidney) cells labeling RFP with ab185921 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green).

Confocal image showing positive staining after transfection of RFP on HEK-293 cells.

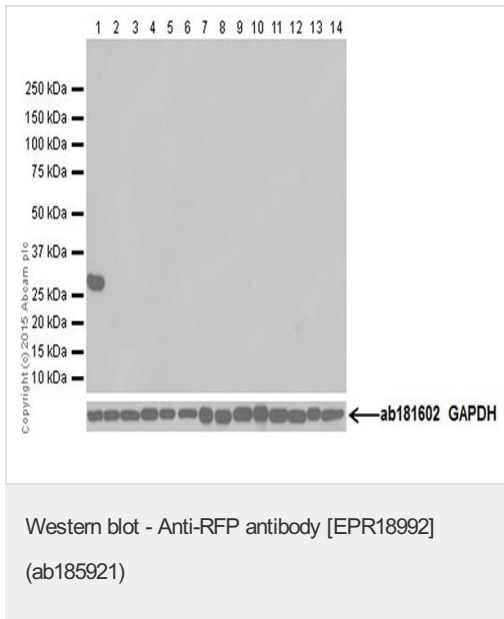
The nuclear counterstain is DAPI (blue).

Tubulin is detected with Anti-alpha Tubulin antibody [EPR18992] - Loading Control ([ab7291](#)) at 1/1000 dilution and Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) preadsorbed ([ab150120](#)) at 1/1000 dilution (red).

The negative controls are as follows:-

-ve control 1: ab185921 at 1/100 dilution followed by [ab150120](#) at 1/1000 dilution.

-ve control 2: [ab7291](#) at 1/1000 dilution followed by [ab150077](#) at 1/1000 dilution.



All lanes : Anti-RFP antibody [EPR18992] (ab185921) at 1/10000 dilution

Lane 1 : RFP transfected HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate

Lane 2 : Empty vector (vector control) transfected HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate

Lane 3 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 4 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

Lane 5 : Human kidney lysate

Lane 6 : Human liver lysate

Lane 7 : Mouse brain lysate

Lane 8 : Mouse heart lysate

Lane 9 : Rat brain lysate

Lane 10 : Rat heart lysate

Lane 11 : C6 (Rat glial tumor cell line) whole cell lysate

Lane 12 : RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

Lane 13 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate

Lane 14 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution





Predicted band size: 26 kDa

Observed band size: 26 kDa

Exposure time: 3 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-RFP antibody [EPR18992] (ab185921)

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