

## Product datasheet

# Anti-GLP1R antibody [EPR21819] - BSA and Azide free ab236269

Recombinant RabMAb

[5 Images](#)

### Overview

<b>Product name</b>	Anti-GLP1R antibody [EPR21819] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR21819] to GLP1R - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, IHC-Fr
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat
<b>Immunogen</b>	Recombinant fragment within Mouse GLP1R aa 1-150. The exact sequence is proprietary. Database link: <a href="#">O35659</a>
<b>Positive control</b>	IHC-P: Mouse pancreas tissue.
<b>General notes</b>	Ab236269 is the carrier-free version of <a href="#">ab218532</a> . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

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.

ab236269 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

*Maxpar® is a trademark of Fluidigm Canada Inc.*

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® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® 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™ 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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR21819
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab236269** in the following tested applications.

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

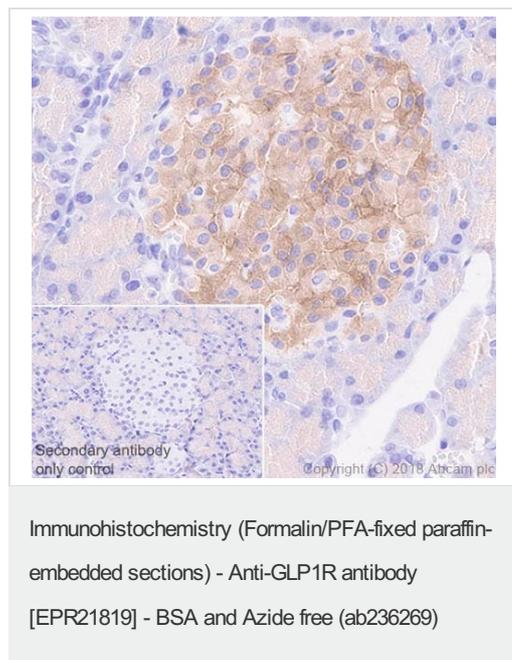
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. Perform heat mediated antigen retrieval using <a href="#">ab93684</a> (Tris/EDTA buffer, pH 9.0).
WB		Use at an assay dependent concentration. Predicted molecular weight: 53 kDa.
IHC-Fr		Use at an assay dependent concentration. Heat-mediated antigen retrieval using Tris-EDTA buffer (pH9.0) ( <a href="#">ab94681</a> )

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## Target

<b>Function</b>	This is a receptor for glucagon-like peptide 1. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.
<b>Sequence similarities</b>	Belongs to the G-protein coupled receptor 2 family.
<b>Cellular localization</b>	Cell membrane.

## Images

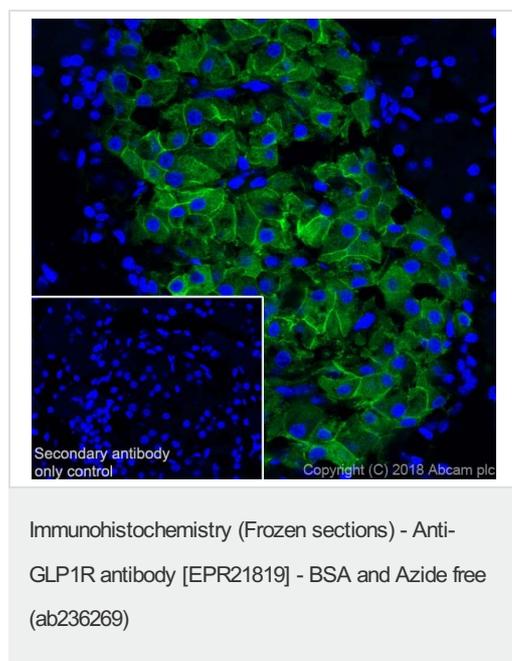


Immunohistochemical analysis of paraffin-embedded rat pancreas tissue stained for GLP1R using [ab218532](#) at 1/1000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Cytoplasmic and membranous staining in rat pancreatic islet cells (PMID: 24467746) is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Performed heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab218532](#)).

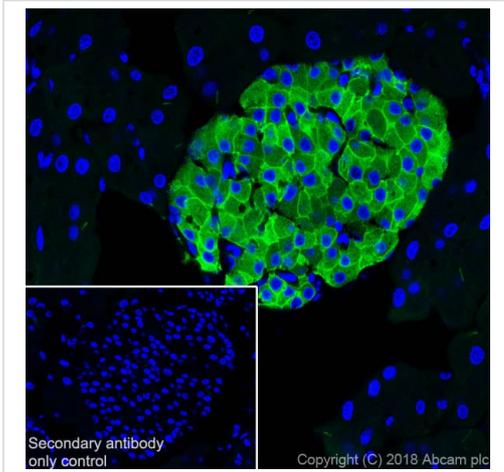


4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized rat pancreas tissue stained for GLP1R (green) using [ab218532](#) at 1/500 dilution, followed by AlexaFluor<sup>®</sup>488 Goat anti-Rabbit secondary antibody at 1/1000 dilution. Positive cytoplasmic and membranous staining in rat pancreatic islet cells (PMID: 18541709; 24695667) is observed. Nuclear counterstained with DAPI.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is AlexaFluor<sup>®</sup>488 Goat anti-Rabbit secondary antibody at 1/1000 dilution.

Heat-mediated antigen retrieval using Tris-EDTA buffer (pH9.0) ([ab94681](#)).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab218532](#)).



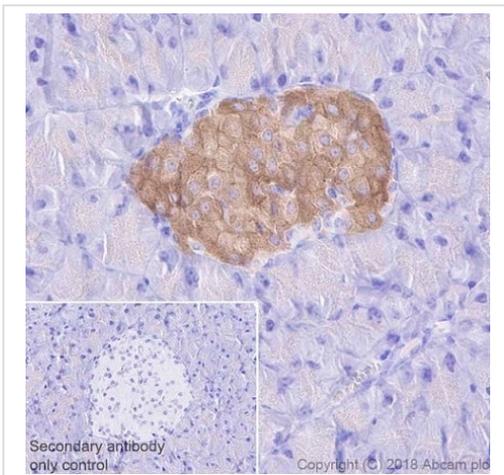
Immunohistochemistry (Frozen sections) - Anti-GLP1R antibody [EPR21819] - BSA and Azide free (ab236269)

4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized mouse pancreas tissue stained for GLP1R (green) using [ab218532](#) at 1/500 dilution, followed by AlexaFluor®488 Goat anti-Rabbit secondary antibody at 1/1000 dilution. Positive cytoplasmic and membranous staining in mouse pancreatic islet cells (PMID: 18541709; 24695667) is observed. Nuclear counterstained with DAPI.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is AlexaFluor®488 Goat anti-Rabbit secondary antibody at 1/1000 dilution.

Heat-mediated antigen retrieval using Tris-EDTA buffer (pH9.0) ([ab94681](#)).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab218532](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GLP1R antibody [EPR21819] - BSA and Azide free (ab236269)

Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue stained for GLP1R using [ab218532](#) at 1/2000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Positive staining of mouse pancreatic islet cells (PMID: 24467746) is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Performed heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab218532](#)).

### 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-GLP1R antibody [EPR21819] - BSA and Azide free (ab236269)

**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

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- 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.

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors