

Anti-GIP antibody [EPR20410] - BSA and Azide free ab271989

Recombinant RabMAb

8 Images

Overview

Product name	Anti-GIP antibody [EPR20410] - BSA and Azide free
Description	Rabbit monoclonal [EPR20410] to GIP - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-Fr, IHC-P, mlHC
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human pancreas and duodenum tissues; Mouse pancreas and small intestine tissues; Rat pancreas tissue. IHC-Fr: Mouse pancreas tissue. mlHC: Human pancreas tissue.
General notes	ab271989 is the carrier-free version of ab209792 .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

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.

This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. 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](#).

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	EPR20410
Isotype	IgG

Applications

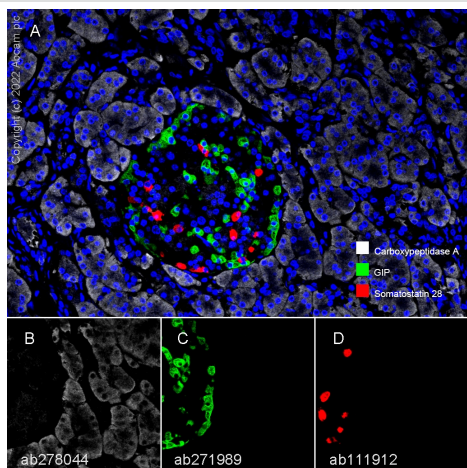
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab271989 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration. Antigen retrieval: Heated citrate solution (10mM citrate pH 6.0 + 0.05% Tween-20).
IHC-P		Use at an assay dependent concentration.
mlHC		1/4000.

Target

Function	Potent stimulator of insulin secretion and relatively poor inhibitor of gastric acid secretion.
Sequence similarities	Belongs to the glucagon family.
Cellular localization	Secreted.

Images



Multiplex immunohistochemistry - Anti-GIP antibody
[EPR20410] - BSA and Azide free (ab271989)

Fluorescence multiplex immunohistochemical analysis of the human pancreas (Formalin/PFA-fixed paraffin-embedded sections).

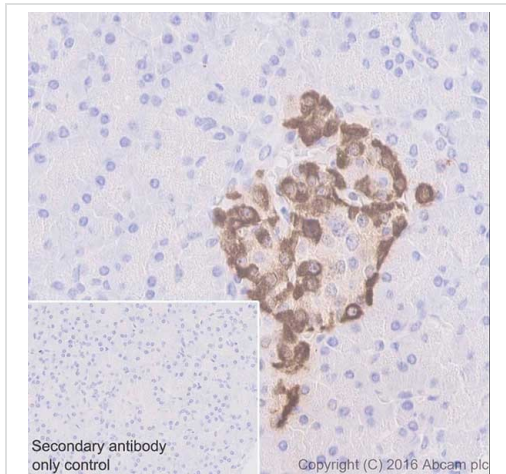
Panel A: merged staining of anti-Carboxypeptidase A (**ab278044**, gray; Opal™690), anti-GIP (ab271989, green; Opal™520) and anti-Somatostatin 28 (**ab111912**, red; Opal™570) on human pancreas.

Panel B: anti-Carboxypeptidase A stained on acinar cells. Panel C: anti-GIP stained on alpha cells. Panel D: anti-Somatostatin 28 stained on delta cells. Opal Polymer HRP Ms + Rb was used as a secondary antibody.

The section was incubated in three rounds of staining: in the order of **ab278044** at 1/4000 dilution (0.135 µg/ml), ab271989 at 1/4000 dilution (0.27 µg/ml) and **ab111912** at 1/9000 dilution (0.068 µg/ml) for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins. DAPI (blue) was used as a nuclear counter stain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GIP antibody [EPR20410] - BSA and Azide free (ab271989)

Immunohistochemical analysis of paraffin-embedded human pancreas tissue labeling GIP with **ab209792** at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

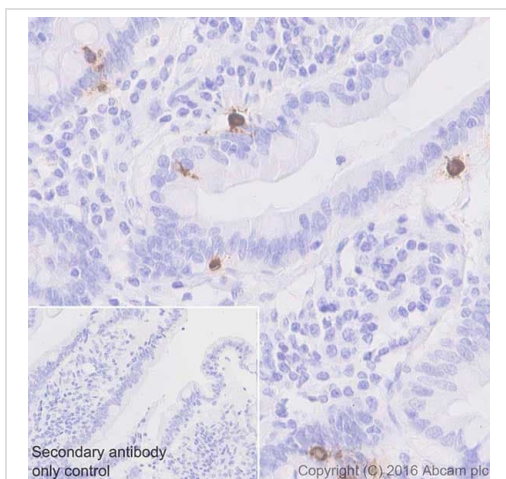
Cytoplasmic staining on alpha cells of human pancreas islet is observed (PMID: 4574902).

Counter stained with Hematoxylin.

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

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209792**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GIP antibody [EPR20410] - BSA and Azide free (ab271989)

Immunohistochemical analysis of paraffin-embedded human duodenum tissue labeling GIP with **ab209792** at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

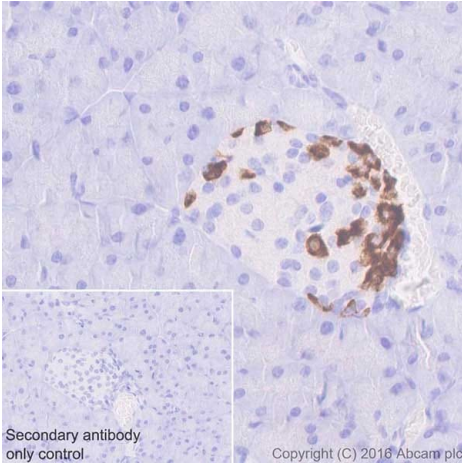
Sporadic and cytoplasmic staining on human duodenum is observed (PMID: 4574902).

Counter stained with Hematoxylin.

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

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209792**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GIP antibody [EPR20410] - BSA and Azide free (ab271989)

Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue labeling GIP with **ab209792** at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

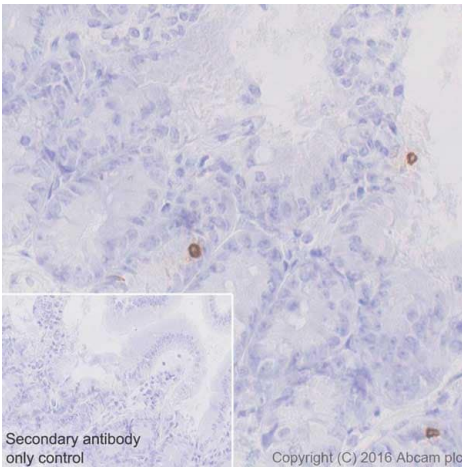
Cytoplasmic staining on alpha cells of mouse pancreas islet is observed (PMID: 4574902).

Counter stained with Hematoxylin.

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

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209792**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GIP antibody [EPR20410] - BSA and Azide free (ab271989)

Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue labeling GIP with **ab209792** at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

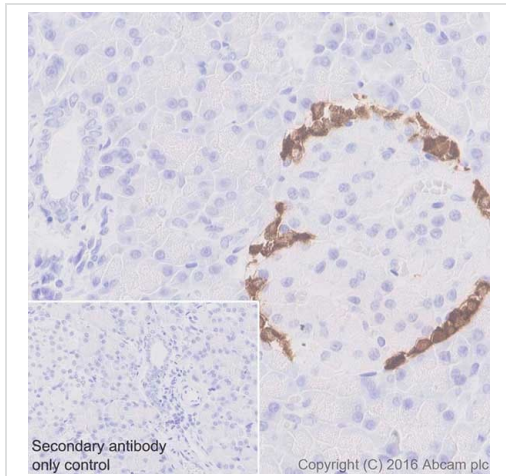
Sporadic and cytoplasmic staining on mouse small intestine is observed (PMID: 4574902).

Counter stained with Hematoxylin.

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

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209792**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GIP antibody [EPR20410] - BSA and Azide free (ab271989)

Immunohistochemical analysis of paraffin-embedded rat pancreas tissue labeling GIP with **ab209792** at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

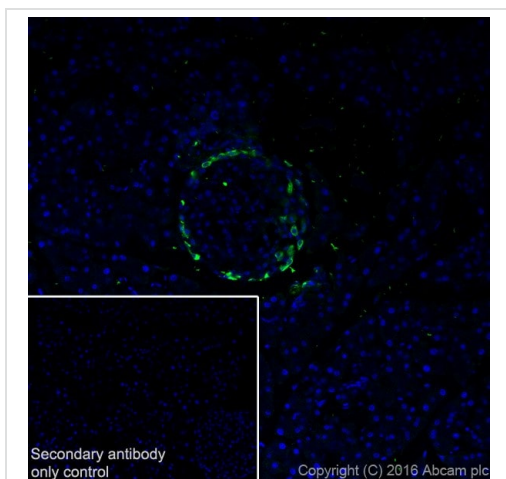
Cytoplasmic staining on alpha cells of rat pancreas islet is observed (PMID: 4574902).

Counter stained with Hematoxylin.

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

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209792**).



Immunohistochemistry (Frozen sections) - Anti-GIP antibody [EPR20410] - BSA and Azide free (ab271989)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse pancreas tissue labeling GIP with **ab209792** at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green).

Cytoplasmic staining on alpha cells of mouse pancreas islet is observed.

The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab209792**).

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-GIP antibody [EPR20410] - BSA and Azide free
(ab271989)

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