Product datasheet

Anti-Glucagon antibody (Biotin) ab48287

Overview

Product name: Anti-Glucagon antibody (Biotin)
Description: Rabbit polyclonal to Glucagon (Biotin)
Host species: Rabbit
Conjugation: Biotin
Tested applications: Suitable for: IP, ELISA, RIA, IHC-P
Species reactivity: Reacts with: Human
Predicted to work with: Mouse, Rat, Sheep, Rabbit, Hamster, Cow, Dog, Pig, Xenopus laevis

Immunogen: Synthetic peptide corresponding to Human Glucagon aa 53-81 (internal sequence) conjugated to keyhole limpet haemocyanin.
Sequence:
HSQGFTSDYSKYLDSRAQDFVQWLMT

Positive control: IHC-P: Human pancreas tissue.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: pH: 7.50
Preservative: 0.01% Thimerosal (merthiolate)
Constituents: PBS, 50% Glycerol
Purity: Protein G purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab48287 in the following tested applications.
Glucagon is a hormone that is secreted by alpha cells in the pancreas. Glucagon antagonizes insulin by converting glycogen to glucose in the liver and increasing blood sugar levels. Glucagon-like peptide 1 (GLP1), Glucagon-like peptide 2 (GLP2), VIP (vasoactive intestinal peptide) and PACAP (pituitary adenylate cyclase activating polypeptide) are in the glucagons hormone family. GLP1 is a transmitter in the central nervous system that regulates feeding and drinking behavior. GLP2 stimulates intestinal epithelial growth.

Target

Relevance

Glucagon is a hormone that is secreted by alpha cells in the pancreas. Glucagon antagonizes insulin by converting glycogen to glucose in the liver and increasing blood sugar levels. Glucagon-like peptide 1 (GLP1), Glucagon-like peptide 2 (GLP2), VIP (vasoactive intestinal peptide) and PACAP (pituitary adenylate cyclase activating polypeptide) are in the glucagons hormone family. GLP1 is a transmitter in the central nervous system that regulates feeding and drinking behavior. GLP2 stimulates intestinal epithelial growth.

Cellular localization

Secreted

Images

IHC image of Glucagon staining in human normal pancreas formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol B.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab48287, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with hematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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