


Product datasheet

Anti-Glucagon antibody [K79bB10] ab10988

★★★★★ 13 Abreviews 130 References 2 Images

Overview

<b>Product name</b>	Anti-Glucagon antibody [K79bB10]
<b>Description</b>	Mouse monoclonal [K79bB10] to Glucagon
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Rat <b>Predicted to work with:</b> Rabbit, Guinea pig, Cat, Dog, Human, Pig, Common marmoset, Syrian hamster 
<b>Immunogen</b>	Full length protein corresponding to Pig Glucagon. Polymerized porcine glucagon. Database link: <a href="#">P01275</a>
<b>Positive control</b>	Pancreatic glucagon for RIA. IHC-P: Mouse and Rat pancreas tissues.
<b>General notes</b>	<p>Production of this antibody has been changed on 8th July 2016. The following lots are from ascites and are still in stock as of 8th July 2016: GR260160 and GR268340. Lot numbers higher than GR268340 will be purified from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.</p> <p>If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p>

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS

<b>Purity</b>	Proprietary Purification
<b>Purification notes</b>	Purified from Tissue culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	K79bB10
<b>Isotype</b>	IgG1

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab10988 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

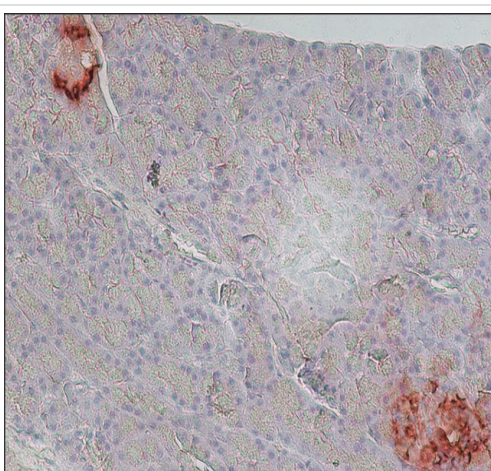
Application	Abreviews	Notes
IHC-P	★★★★★ (10)	Use at an assay dependent concentration.

## 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.

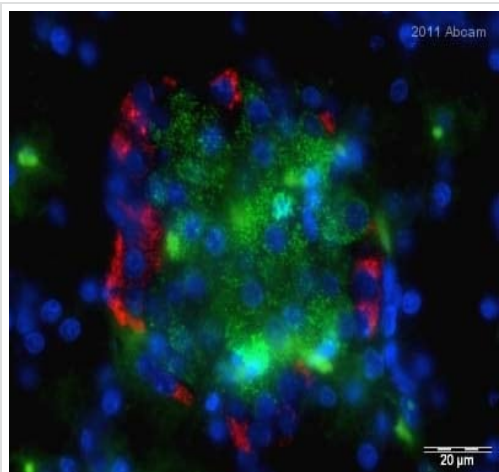
**Cellular localization** Secreted

## Images



Formali-fixed, paraffin-embedded rat pancreas tissue stained for Glucagon using ab10988 at 10 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glucagon antibody [K79bB10] (ab10988)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glucagon antibody [K79bB10] (ab10988)  
Image courtesy of Thomas Schoeppe by Abreview.

ab10988 staining Glucagon in rat pancreatic tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Tissue was fixed in paraformaldehyde, blocked with 2% serum for 1 hour at 25°C, then incubated with ab10988 at a 1/200 dilution for 1 hour at 25°C. The secondary used was a donkey anti-mouse IgG (H+L) conjugated to Texas Red, used at a 1/250 dilution. Nuclei counterstained with DAPI, green is staining for insulin.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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