**Product name**: Anti-Glucagon antibody [K79bB10]  
**Description**: Mouse monoclonal [K79bB10] to Glucagon  
**Host species**: Mouse  
**Tested applications**: Suitable for: IHC-P  
**Species reactivity**: Reacts with: Rat  
**Predicted to work with**: Rabbit, Guinea pig, Cat, Dog, Human, Pig, Common marmoset, Syrian hamster  
**Immunogen**: Full length protein corresponding to Pig Glucagon. Polymerized porcine glucagon. Database link: P01275  
**Positive control**: Pancreatic glucagon for RIA. IHC-P: Mouse and Rat pancreas tissues.  
**General notes**: 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.  
If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use.  
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.  
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&As  

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

Proprietary Purification

Purification notes

Purified from Tissue culture supernatant.

Clonality

Monoclonal

Clone number

K79bB10

Isotype

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td>⭐⭐⭐⭐⭐ (10)</td>
<td>Use at an assay dependent concentration.</td>
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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

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- 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](https://www.abcam.com/abpromise) or contact our technical team.

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