


Product datasheet

Anti-Glucagon antibody [K79bB10] ab10988

★★★★★ 12 Abreviews 57 References 5 Images

Overview

Product name	Anti-Glucagon antibody [K79bB10]
Description	Mouse monoclonal [K79bB10] to Glucagon
Host species	Mouse
Tested applications	Suitable for: IHC-P, ICC/IF, IHC-Fr, RIA, Dot blot
Species reactivity	Reacts with: Mouse, Rat, Dog, Human, Pig, Common marmoset Predicted to work with: Rabbit, Guinea pig, Cat, Syrian hamster 
Immunogen	Polymerized porcine glucagon.
Positive control	Pancreatic glucagon for RIA.
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.

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: 7.4 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

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	★★★★★	Use at an assay dependent concentration.
ICC/IF	★★★★★	Use at an assay dependent concentration.
IHC-Fr	★★★★★	Use at an assay dependent concentration. PubMed: 21821034
RIA		Use at an assay dependent concentration.
Dot blot		Use at an assay dependent concentration.

Target

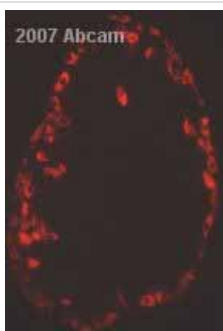
Relevance

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 adenylyl 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

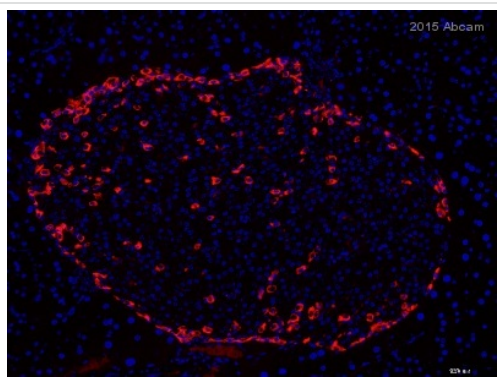


ab10988 at 1/200 staining mouse pancreas tissue sections by IHC-P. The tissue sections were paraformaldehyde fixed and blocked with serum prior to incubation with the antibody for 16 hours at 4°C. A Texas Red conjugated donkey anti-mouse antibody was used as the secondary.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glucagon antibody

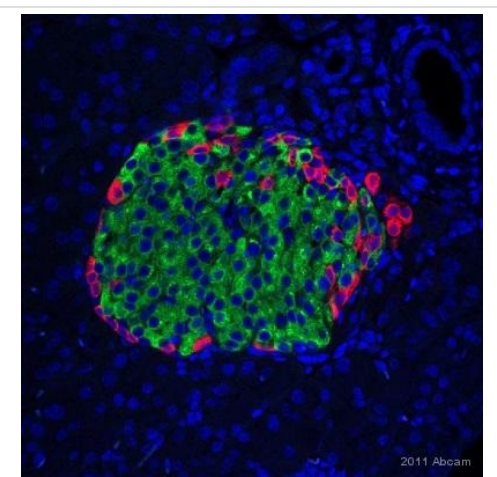
[K79bB10] (ab10988)

This image is courtesy of an Abreview submitted by Dr Jane Hu



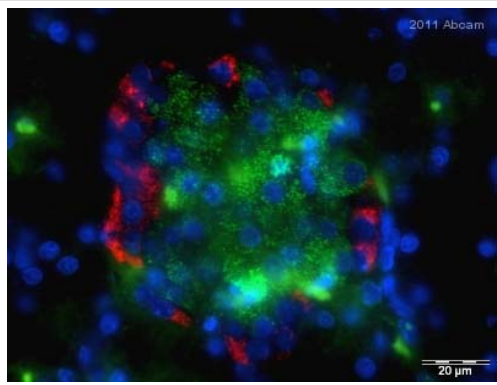
Immunohistochemical analysis of Mouse pancreas tissue sections labeling Glucagon with ab10988 at 1/1000 dilution

Immunohistochemistry (Frozen sections) - Anti-Glucagon antibody [K79bB10] (ab10988)
Image courtesy of anonymous abreviewer



Immunohistochemical analysis of Mouse pancreas tissue labeling Glucagon with ab10988 at 1/1000 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glucagon antibody [K79bB10] (ab10988)
Image courtesy of Miri Stolovich-Rain

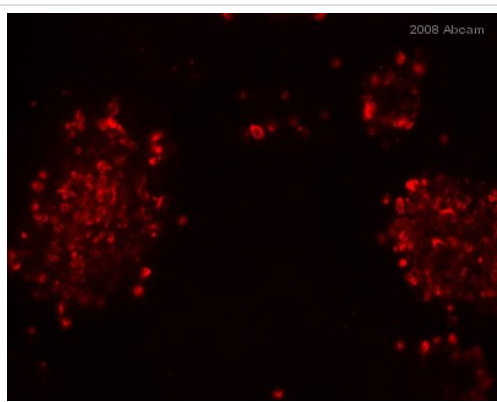


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glucagon antibody [K79bB10] (ab10988)

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.



Immunocytochemistry/ Immunofluorescence - Anti-Glucagon antibody [K79bB10] (ab10988)

This image is courtesy of an Abreview submitted by Dr Mallikarjuna Reddy Metukuri

ab10988 staining human islets (beta cells) by ICC/IF. Cells were PFA fixed and blocked in 2% serum for 1 hour at 25°C prior to incubating with ab10988 for 1 hour at 25°C. A Cy3® conjugated goat anti-mouse antibody diluted 1/500 was used as the secondary.

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