

# Product Datasheet

## Glucagon Antibody (K79bB10) NB600-1506

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 5

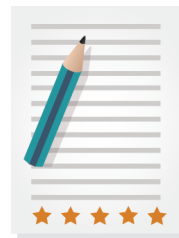
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**NB600-1506**

## Glucagon Antibody (K79bB10)

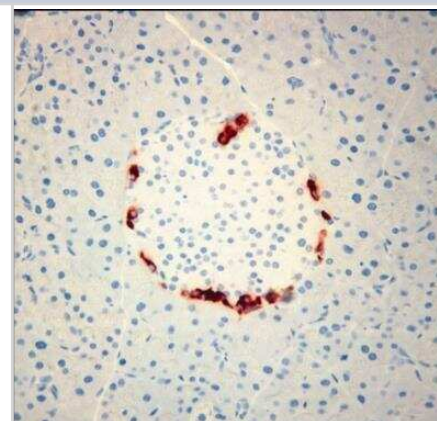
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	K79bB10
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	Ascites

Product Description	
Host	Mouse
Gene ID	2641
Gene Symbol	GCG
Species	Human, Mouse, Rat, Porcine, Canine, Feline, Guinea Pig, Rabbit
Reactivity Notes	Not yet tested in other species.
Specificity/Sensitivity	The antibody reacts specifically against pancreatic glucagon and exhibits only very weak cross-reaction with gut glucagon (enteroglucagon).Glucagon (K79bB10)
Immunogen	Polymerized porcine glucagon.

Product Application Details	
Applications	Dot Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Radioimmunoassay
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:2000, Radioimmunoassay 1:100-1:2000, Dot Blot 1:100-1:2000
Application Notes	Reacts with pancreatic glucagon. RIA: Use at an assay dependent dilution, affinity constant of $6.1 \times 10^8$ L/M, reacts with pancreatic glucagon.

**Images**

Immunohistochemistry: Glucagon Antibody (K79bB10) [NB600-1506] - Mouse pancreatic islet alpha cells were stained using Monoclonal Anti-Glucagon, clone no. K79bB10, Anti-Mouse IgG-peroxidase and AEC substrate (red). The tissue was counterstained with hematoxylin (blue).



## Publications

Andreas Frøslev Mathisen, Andrei Mircea Vacaru, Lucas Unger, Elena Mirela Lamba, Oana-Ana-Maria Mardare, Laura Maria Daian, Luiza Ghila, Ana-Maria Vacaru, Simona Chera Molecular profiling of NOD mouse islets reveals a novel regulator of insulinitis onset Scientific Reports 2024-06-25 [PMID: 38918575]

Herat LY, Matthews JR, Hibbs M et al. SGLT1/2 inhibition improves glycemic control and multi-organ protection in type 1 diabetes iScience 2023-08-18 [PMID: 37520739] (ELISA, Immunohistochemistry, Block/Neutralize)

GUndUz D, Cetin H, DOnmez AC Investigation of the effects of swimming exercises in rats given acrylamide Morphologie : bulletin de l'Association des anatomistes 2022-12-05 [PMID: 36481219]

Lu TT, Heyne S, Dror E et al. The Polycomb-Dependent Epigenome Controls b Cell Dysfunction, Dedifferentiation, and Diabetes Cell Metab. 2018-06-05 [PMID: 29754954] (IF/IHC, Mouse)

Zehetner J, Danzer C, Collins S et al. pVHL is a regulator of glucose metabolism insulin secretion in pancreatic {beta} cells. Genes amp; Dev;22(22):3135-3146. 2008-01-01 [PMID: 19056893]





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### **Products Related to NB600-1506**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-72384-100ug	Recombinant Human Glucagon His Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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