

# Product Datasheet

## GLP1 Antibody (4) - BSA Free

### NBP2-23558-0.1ml

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-23558-0.1ml**

GLP1 Antibody (4) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	4
Preservative	0.9% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10mM Phosphate (pH 7.4) and 0.5M NaCl

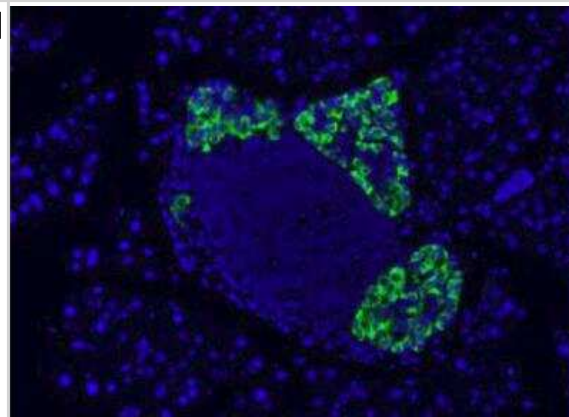
Product Description	
Host	Mouse
Gene ID	2641
Gene Symbol	GCG
Species	Human, Mouse, Mammal
Specificity/Sensitivity	This antibody binds the free N-terminus of GLP-1(7-37) and GLP-1(7-36)amide and shows <0.2% cross-reactivity with GLP-1(1-37), GLP-1(9-36)amide, human GIP and exendin-4. Cross-reacts approximately 1% with human GLP-2.
Immunogen	Synthetic GLP-1(7-17)

Product Application Details	
Applications	ELISA, Immunohistochemistry
Recommended Dilutions	ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500
Application Notes	ELISA: NBP2-23558 binds free GLP-1(7-37) and free GLP-1(7-36) amide. Not recommended for use in sandwich ELISA. (1)

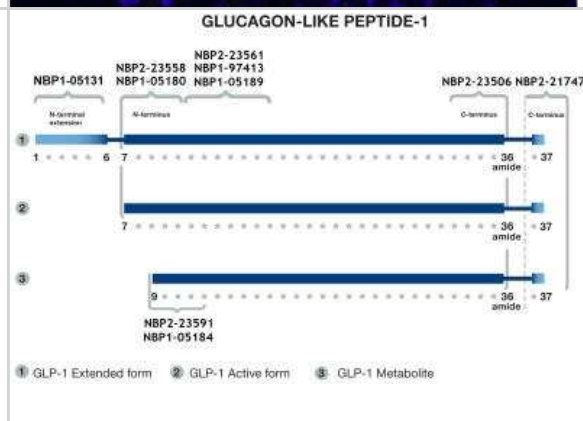


## Images

Immunohistochemistry: Glucagon Antibody (4) - BSA Free [NBP2-23558] - Endocrine alpha cells from diabetic mice stained with (1:500). Courtesy of Dr. Annette Plesner, University of British Columbia



Glucagon Antibody (4) - BSA Free [NBP2-23558] - BSA Free [NBP2-23558]



## Publications

Audrys G. Pauza, Pratik Thakkar, Tatjana Tasic, Igor Felipe, Paul Bishop, Michael P. Greenwood, Kristina Rysevaite-Kyguoliene, Julia Ast, Johannes Broichhagen, David J. Hodson, Helio C Salgado, Dainius H. Pauza, Nina Japundzic-Zigon, Julian F.R. Paton, David Murphy GLP1R Attenuates Sympathetic Response to High Glucose via Carotid Body Inhibition Circulation research 2022-01-16 [PMID: 35100822]

Clarke G, Li H, Ladyman S et al. Effect of pregnancy on the expression of nutrient-sensors and satiety hormones in mice Peptides 2023-11-01 [PMID: 37926186] (IHC-Fr, Mouse)

Details:

Dilution 1:100

Greenwood MP, Greenwood M, Barez-Lopez S et al. Osmoadaptive GLP-1R signalling in hypothalamic neurons inhibits antidiuretic hormone synthesis and release Molecular metabolism 2023-02-10 [PMID: 36773648] (IHC, Rat)

Tellez K, Hang Y, Gu X In vivo studies of glucagon secretion by human islets transplanted in mice Nat Metab 2020-07-23 [PMID: 32694729]



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### **Products Related to NBP2-23558-0.1ml**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
291-G1-200	IGF-I/IGF-1 [Unconjugated]

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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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