

Product Datasheet

Glucagon Antibody (C-term) (orb1929798)

Catalog Number	orb1929798
Category	Antibodies
Description	Purified Rabbit Polyclonal Antibody (Pab)
Target	GCG (HGNC:4191)
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Immunogen	This Glucagon antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-148 amino acids from the C-terminal region of human Glucagon. Antigen Region: 119-148 aa.
UniProt ID	P01275
MW	20909 Da
Tested applications	FC, IF, IHC-P, WB
Dilution range	IF - 1:10-50, WB - 1:1000, IHC-P-Leica - 1:1000, FC - 1:25, IHC - 1:125

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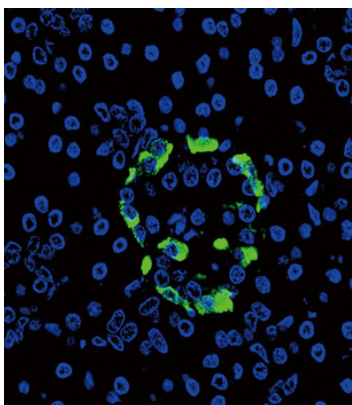
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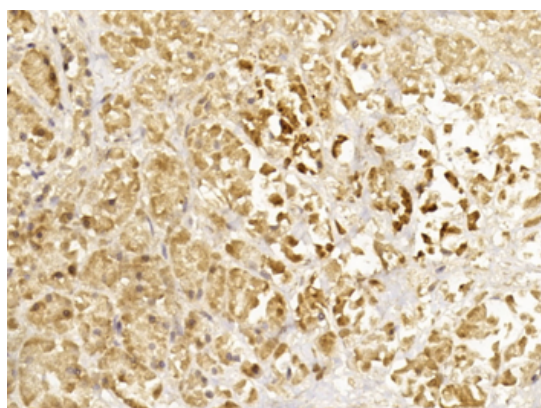
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Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	NP_002045.1
Expiration Date	12 months from date of receipt.



Confocal immunofluorescent analysis of Glucagon Antibody (C-term) with pancreas tissue followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Immunohistochemical analysis of paraffin-embedded Human pancreas section using Pink1. Diluted at 1: 125 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

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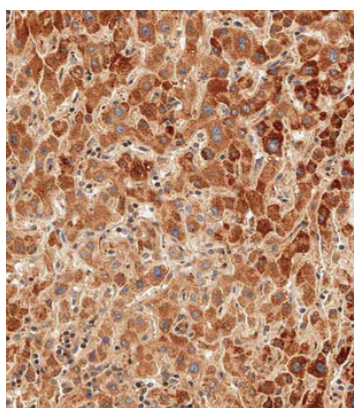
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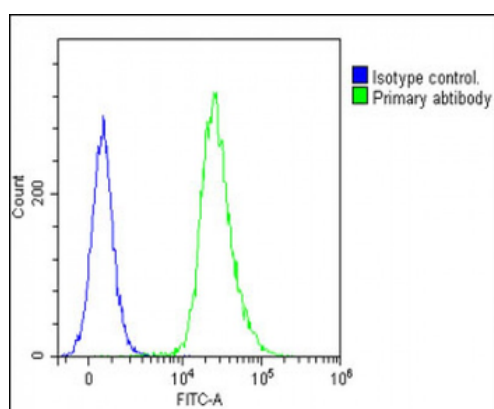
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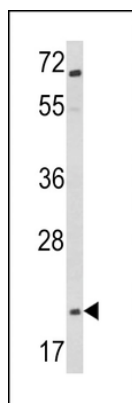
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Immunohistochemical analysis of paraffin-embedded human liver tissue was performed on the Leica BOND RXm. Tissue was fixed with formaldehyde at room temperature; antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (1:1000) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Overlay histogram showing Jurkat cells stained (green line). The cells were fixed with 2% paraformaldehyde and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of > 10000 events was performed.



Western blot analysis of Glucagon Antibody (C-term) in Jurkat cell line lysates (35 µg/lane). GCG (arrow) was detected using the purified Pab.

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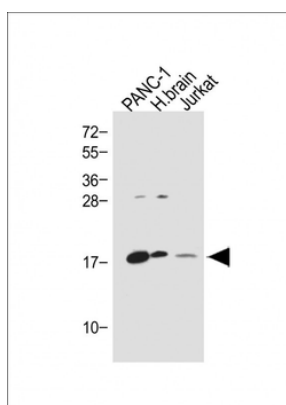
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All lanes: Anti-Glucagon Antibody (C-term) at 1:1000 dilution. Lane 1: PANC-1 whole cell lysate. Lane 2: Human brain lysate. Lane 3: Jurkat whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 21 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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