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anti-Glucagon antibody

Images



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Quantity:	100 μL
Target:	Glucagon (GCG)
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glucagon antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Glucagon
Isotype:	IgG
Specificity:	Glucagon antibody detects endogenous levels of total Glucagon
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

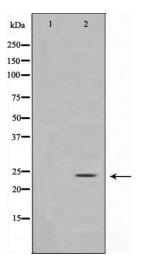
Target:	Glucagon (GCG)
Alternative Name:	Glucagon (GCG Products)
Background: Description: Glucagon plays a key role in glucose metabolism and homeostasis. Regulates	

Target Details

	blood glucose by increasing gluconeogenesis and decreasing glycolysis. A counterregulatory	
	hormone of insulin, raises plasma glucose levels in response to insulin-induced hypoglycemia.	
	Plays an important role in initiating and maintaining hyperglycemic conditions in diabetes.	
	Gene: GCG	
Molecular Weight:	25kDa	
Gene ID:	2641	
UniProt:	P01275	
Pathways:	Positive Regulation of Peptide Hormone Secretion, Peptide Hormone Metabolism, cAMP	
	Metabolic Process, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour,	
	Negative Regulation of intrinsic apoptotic Signaling	

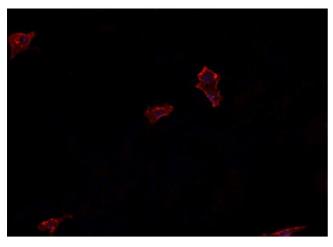
Application Details

Application Notes:	WB: 1:500~1:3000 IF/ICC: 1:100~1:500	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt	
Expiry Date:	12 months	



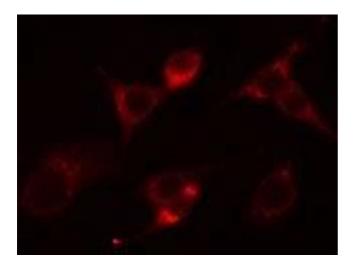
Western Blotting

Image 1. Western blot analysis on COS7 cell lysate using Glucagon Antibody, The lane on the left is treated with the antigen-specific peptide.



Immunofluorescence (fixed cells)

Image 2. ABIN6266546 staining U-2 OS cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod



Immunofluorescence (fixed cells)

Image 3. ABIN6266546 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod