



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4358

### Rabbit anti Glucagon (1-29) (human, porcine, rat) [UniProt: P01275, P01274, P06883]

Glucagon is a peptide hormone secreted from the pancreatic Islet of Langerhans alpha-cells. It works to raise the concentration of glucose and fatty acids in the bloodstream, and is considered to be the main catabolic hormone of the body. Glucagon (1-29) acts on hepatic enzymes that regulate glucose production and glycogen synthesis. Excessive amounts of circulating glucagon are implicated in the metabolic dysregulation of type 2 diabetes, since such conditions result in hyperglycemia.

This antibody was generated by immunization of rabbits with Glucagon (1-29) coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A15832
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<b>Stability:</b>	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Glucagon (1-29). Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic peptide H-His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-OH coupled to carrier protein.

## Cross-Reactivity:

PEPTIDE:	%:
Glucagon (1-29) (human, bovine, porcine)	100
Somatostatin-14	0
$\alpha$ -CGRP (human)	0
Amylin (human)	0
Amylin (rat)	0
Pancreatic Polypeptide (human)	0
Glucagon (19-29) (human, bovine, porcine)	0
GLP-1 (1-37) (human)	0
GLP-2 (human)	0

Related Products: T-4359: anti Glucagon (1-29) (hu), neat antiserum  
S-1211: ELISA, high sensitivity for extracted samples  
T-4357: anti Glucagon (1-29) (hu), diluted antiserum  
S-1349: ELISA, extraction-free for serum and plasma samples (hu, rt, po)

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This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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rabbit IgG

1.3.2021