

Glucagon (ZR470)

Rabbit monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Recombinant fragment (around aa1-100) of human GCG protein
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: Glucagon (ZR470) Rabbit monoclonal primary antibody detects Glucagon Protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain Glucagon Protein.

Localization: Cytoplasmic.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: Glucagon is a pancreatic hormone antagonist to Insulin, stimulating the conversion of glycogen to glucose and increasing blood sugar levels. Glucagon-like peptide-1 (GLP-1), Glucagon-like peptide-2 (GLP-2), VIP (vasoactive intestinal peptide), and PACAP (pituitary adenylate cyclase-activating polypeptide) are members of the Glucagon family of hormones. GLP-1 functions as a transmitter in the central nervous system, inhibiting feeding and drinking behavior, whereas GLP-2 is a stimulator of intestinal epithelial growth. VIP causes vasodilation, resulting in the lowering of blood pressure. PACAP is abundant in the hypothalamus and has been shown to increase the synthesis of several hormones, including growth hormone. Glucagon antibody detects glucagon-secreting cells and tumors such as glucagonomas, of which approximately 80% are malignant.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Nakhleh RE, et al: Am J Surg Pathol. 1991;15(3):246-56.
2. Le Bodic MF, et al: Am J Surg Pathol. 1996;20(11):1378-84



Z2830RL-R/ Z2830RL-R/ Z2830RT-R/ Z2830RP-R (1.0ml Concentrate/0.5ml Con./0.1ml Con./7ml Pre-dil)



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(research
use only)



(lot number)



(catalogue
number)



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limit)



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