

Glucagon Polyclonal Antibody

Catalog NumberPA1-85465

Product data sheet

Details		Species Reactivity	
Size	500 µL	Species reactivity	Human, Mouse, Pig, Rat
Host/Isotope	Sheep / IgG	Published species	Mouse
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent
Immunogen	Zinc glucagon-BSA.	Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent
Conjugate	Unconjugated	Radioimmune Assays (RIA)	Assay-dependent
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	5 mg/mL		
Storage Conditions	4°C or -20°C if preferred		

Background/Target Information

Glucagon is a 29-residue polypeptide hormone (MW 3482), produced in the pancreas. A related hormone, enteroglucagon (or oxyntomodulin), which is produced in the mucosa of the small and large intestine, consists of the 29 amino acid sequence of pancreatic glucagon extended by 8 additional residues at the C-terminus. The biological activities of pancreatic glucagon include glycogenolysis, lipolysis, gluconeogenesis, and ketogenesis, which are antagonistic effects to those of insulin action, thus leading to increased blood glucose levels. Immunocytochemical studies have revealed the presence of pancreatic glucagon inside the A or alpha cells, which constitute 15-20% of the islet cell population. These cells are located preferentially at the periphery of the human pancreatic islets. Pathological manifestations of the glucagon-type peptide residue almost exclusively with the existence of tumors or glucagonomas, as no states of glucagon-cell deficiency or hyperplasia have been identified. Glucagon-specific antibodies would prove useful as a cell and tumor markers applying immunohistochemical techniques, and as an analytical tool in qualification of the hormone.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.