



IHC image of alpha cells in the islets of Langerhans of rat pancreas.

## Glucagon Antibody

<b>Catalog #</b>	<b>20076</b>	<b>Product type</b>	Primary antibodies
<b>Lot #</b>	<b>136027</b>	<b>Clonality</b>	Polyclonal
<b>Form</b>	Lyophilized whole serum (100 $\mu$ L)	<b>Isotype</b>	IgG
<b>Host</b>	Rabbit	<b>Preservative</b>	$\leq$ 0.09% sodium azide
<b>Reacts With</b>	Chick, Fish, Human, Mouse, Pig, Rat, Sea Lamprey, Snail, Turtle	<b>Antigen</b>	Synthetic Glucagon (synthetic bovine, porcine, human sequence) coupled to bovine thyroglobulin (BTg) with glutaraldehyde

### INSTRUCTIONS

<b>Preparation</b>	Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does not need to be kept cooled during shipping; however, for long-term storage, store lyophilized antibody until ready to use at -15°C or lower. Reconstitute with 100 $\mu$ L of distilled or deionized water. After reconstitution, use immediately or refrigerate at 2°–8°C. To avoid freeze/thaw cycles, dilute unused antibody with PBS or Tris buffer at a dilution no higher than 1/10, then aliquot and freeze at -15°C or lower.  Refer to the Instruction Manual available online at <a href="http://www.immunostar.com">www.immunostar.com</a> for information on tissue preparation, immunostaining techniques, troubleshooting, and formulas.
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### APPLICATION

<b>IHC Quality Control</b>	The antibody has significant Biotin/avidin-HRP immunostaining at a 1/500–1/1,000 dilution in human pancreatic islets. Staining is completely eliminated by pretreatment of the diluted antibody in an excess of glucagon. Preadsorption of the diluted antibody with an excess of the following substances had no effect on glucagon labeling: secretin, vasoactive intestinal peptide, peptide histidine isoleucine-27, gastric inhibitory polypeptide, rat and human growth hormone releasing hormone and somatostatin.
<b>Tissue</b>	Human Pancreatic Islets
<b>Perfusion Fixation</b>	Formalin
<b>Sections</b>	10 $\mu$ m paraffin
<b>Tissue Incubation</b>	0.5 hour at Room Temperature
<b>Detection System</b>	Use Bn/AV-HRP reagents at dilutions recommended by the manufacturer.
<b>Suggested Dilution</b>	1/500–1/1,000 in PBS/0.3% Triton X-100 - Bn/AV-HRP immunohistochemistry

### NOTES

<b>Special Instructions</b>	It is recommended that the researcher perform a primary antibody dilution series using our dilution recommendations as a guideline. Note that a change in the fixation or buffering system from our protocol may change the configuration of the protein which could alter the reactivity with the tissue tested.
<b>Storage</b>	After reconstitution, use immediately or refrigerate at 2°–8°C up to 2 days. For long-term storage, aliquot and freeze at -15°C or lower. Avoid repeated freeze/thaw cycles.
<b>Concentration</b>	Not applicable. Antibody concentration is only relevant for purified antibodies.
<b>Journal References</b>	<a href="http://www.immunostar.com/publications">www.immunostar.com/publications</a>

*For Laboratory Reagent Use Only. Analytical and performance characteristics are not established.*

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