

**PAA812Hu07****Polyclonal Antibody to Islet Amyloid Polypeptide (IAPP)****Organism Species: Homo sapiens (Human)*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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9th Edition (Revised in Jul, 2013)

**[ PRODUCT INFORMATION ]****Immunogen:** IAPP-KLH**Purification:** Affinity Chromatography.**Clonality:** Polyclonal**Applications:** WB, ICC, IHC-P, IHC-F, ELISA**Host:** Rabbit**Concentration:** 200µg/mL**Immunoglobulin Type:** IgG**UOM:** 100µg**[ IMMUNOGEN INFORMATION ]****Immunogen:** Synthetic Peptide, IAPP conjugated to KLH.**Accession No.:** CPA812Hu33**Sequence:** The target peptide sequence is listed below.

SSTNVGSNTYGKRNAV

**[ RELEVANCE ]**

Islet Amyloid Polypeptide (IAPP), is a 37-residue peptide hormone. It is cosecreted with insulin from the pancreatic  $\beta$ -cells in the ratio of approximately 100:1. IAPP plays a role in glycemic regulation by slowing gastric emptying and promoting satiety, thereby preventing post-prandial spikes in blood glucose levels. IAPP functions as part of the endocrine pancreas and contributes to glycemic control. The peptide is secreted from the pancreatic islets into the blood circulation and is cleared by peptidases in the kidney.

## **[ ANTIBODY SPECIFICITY ]**

The antibody is a rabbit polyclonal antibody raised against IAPP conjugated to KLH. It has been selected for its ability to recognize IAPP in immunohistochemical staining and western blotting.

## **[ APPLICATIONS ]**

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

Enzyme-linked Immunosorbent Assay: 1:100-1:5000

Optimal working dilutions must be determined by end user.

## **[ CONTENTS ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

## **[ STORAGE ]**

Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.