PAA812Ge01

Polyclonal Antibody to Islet Amyloid Polypeptide (IAPP)

Organism Species: General

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: IAPP-OVA

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200μg/mL

UOM: 100μg

[IMMUNOGEN INFORMATION]

Immunogen: Synthetic Peptide, IAPP conjugated to OVA.

Accession No.: CPA812Ge71

Sequence: The target peptide sequence is listed below.

NTATCATQRLANFLVHSSNNFGAIL

[RELEVANCE]

Islet Amyloid Polypeptide (IAPP), is a 37-residue peptide hormone. It is cosecreted with insulin from the pancreatic β-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 SPECIFITY]

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

[APPLICATIONS]

Western blotting: 1:100-400
Immunocytochemistry in formalin fixed cells: 1:100-500
Immunohistochemistry in formalin fixed frozen section: 1:100-500
Immunohistochemistry in paraffin section: 1:50-200
Enzyme-linked Immunosorbent Assay: 1:100-200
Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3, 50% glycerol.

[STORAGE]

Store at 4ºC for frequent use. Stored at -20ºC to -80ºC in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.