

PAA882Ge01**Polyclonal Antibody to Gastric inhibitory polypeptide (GIP)****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: GIP-OVA**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, GIP conjugated to OVA.**Accession No.:** CPA882Ge71**Sequence:** The target peptide sequence is listed below.

FISDYSIAMDKI

[RELEVANCE]

Gastric inhibitory polypeptide (GIP) is a member of the secretin family of hormones. GIP is derived from a 153-amino acid proprotein encoded by the GIP gene and circulates as a biologically active 42-amino acid peptide. It is synthesized by K cells, which are found in the mucosa of the duodenum and the jejunum of the gastrointestinal tract. The function of GIP is inducing insulin secretion, which is stimulated primarily by hyperosmolarity of glucose in the duodenum. GIP is also thought to have significant effects on fatty acid metabolism through stimulation of lipoprotein lipase activity in adipocytes.

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against GIP conjugated to OVA. It has been selected for its ability to recognize GIP 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% NaN₃, 50% glycerol.

[STORAGE]

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