

PAA044Ge01**Polyclonal Antibody to Growth Hormone (GH)****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: Growth Hormone-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, Growth Hormone conjugated to OVA.**Accession No.:** CPA044Ge71**Sequence:** The target peptide sequence is listed below.

ELLRFSLLLIQSWLGPVQFLSRV

[RELEVANCE]

Growth hormone is a peptide hormone that stimulates growth, cell reproduction and regeneration in humans and other animals. It is a type of mitogen which is specific only to certain kinds of cells. Growth hormone is a 191-amino acid, single-chain polypeptide that is synthesized, stored, and secreted by somatotrophic cells within the lateral wings of the anterior pituitary gland. Growth hormone is used as a prescription drug in medicine to treat children's growth disorders and adult growth hormone deficiency.

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against growth hormone conjugated to OVA. It has been selected for its ability to recognize growth hormone 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.

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