



BMA BIOMEDICALS



Peninsula Laboratories

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**T-4382**  
**Rabbit anti Human Growth Hormone (human) [UniProt:**  
**P01241]**

Human Growth hormone (GH), also known as somatotropin, 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. It is a peptide hormone that stimulates growth, cell reproduction, and cell regeneration in humans and other animals. Human Growth hormone also stimulates production of IGF-1 and increases the concentration of glucose and free fatty acids. Secretion of Human Growth hormone in the pituitary is regulated by the neurosecretory nuclei of the hypothalamus.

This antibody was generated by immunization of rabbits with Human Growth hormone coupled to a carrier protein.

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**TECHNICAL AND ANALYTICAL CHARACTERISTICS**

<b>Lot number:</b>	020474
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<b>Stability:</b>	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Human Growth hormone. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
Growth Hormone (human)	100
Insulin (human)	0
TGF- $\alpha$ (human)	0
ANF (18-28) (human)	0
ACTH (1-39) (human)	0
FSH (human)	0
LH (human)	0

Related Products: T-4383: Rabbit anti Human Growth Hormone, neat antiserum

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This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4382

rabbit IgG

1.3.2021