

GH1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6943b**Specification**

GH1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P01241](#)**GH1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 2688**Other Names**

Somatotropin, Growth hormone, GH, GH-N, Growth hormone 1, Pituitary growth hormone, GH1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6943b](/products/AP6943b) was selected from the C-term region of human GH1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GH1 Antibody (C-term) Blocking Peptide - Protein Information**Name** GH1**Function**

Plays an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.

Cellular Location

Secreted.

GH1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GH1 Antibody (C-term) Blocking Peptide - Images

GH1 Antibody (C-term) Blocking Peptide - Background

The protein is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications.

GH1 Antibody (C-term) Blocking Peptide - References

Gil-Pena,H., et.al., Am. J. Physiol. Renal Physiol. 297 (3), F639-F645 (2009)Lin,C.M., et.al., Yonsei Med. J. 50 (3), 407-413 (2009)