

**HRH4 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17035c****Specification**

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**HRH4 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q9H3N8](#)

**HRH4 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 59340

**Other Names**

Histamine H4 receptor, H4R, HH4R, AXOR35, G-protein coupled receptor 105, GPRv53, Pfi-013, SP9144, HRH4, GPCR105

**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.

**HRH4 Antibody (Center) Blocking Peptide - Protein Information**

**Name** HRH4

**Synonyms** GPCR105

**Function**

The H4 subclass of histamine receptors could mediate the histamine signals in peripheral tissues. Displays a significant level of constitutive activity (spontaneous activity in the absence of agonist).

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**Tissue Location**

Expressed primarily in the bone marrow and eosinophils. Shows preferential distribution in cells of immunological relevance such as T-cells, dendritic cells, monocytes, mast cells, neutrophils. Also expressed in a wide variety of peripheral tissues, including the heart, kidney, liver, lung, pancreas, skeletal muscle, prostate, small intestine, spleen, testis, colon, fetal liver and lymph node.

**HRH4 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **HRH4 Antibody (Center) Blocking Peptide - Images**

#### **HRH4 Antibody (Center) Blocking Peptide - Background**

Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by a family of histamine receptors, which are a subset of the G-protein coupled receptor superfamily. This gene encodes a histamine receptor that is predominantly expressed in haematopoietic cells. The protein is thought to play a role in inflammation and allergy responses. Multiple transcript variants encoding different isoforms have been found for this gene.

#### **HRH4 Antibody (Center) Blocking Peptide - References**

Yu, B., et al. Br. J. Dermatol. 163(5):935-940(2010) Gschwandtner, M., et al. Allergy 65(7):840-849(2010) Yu, B., et al. Br. J. Dermatol. 162(5):1038-1043(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Smits, R.A., et al. J. Med. Chem. 53(6):2390-2400(2010)