

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

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)