

## Rabbit Anti-HRH4/GPCR105/PE Conjugated antibody

SL10165R-PE

|                              |                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>          | Anti-HRH4/GPCR105/PE                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Chinese Name</b>          | PE 标记的组织胺 H4 受体抗体                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Alias</b>                 | GPCR105; GPRv53; H4 antibody H4R; HH4R; Histamine H4 receptor; AXOR35; BG26; G protein coupled receptor 105; HRH4_HUMAN; SP9144.                                                                                                                                                                                                                                                         |
| <b>Research Area</b>         | Tumour immunology Signal transduction Apoptosis transcriptional regulatory factor                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen Species</b>     | Rabbit                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clonality</b>             | Polyclonal                                                                                                                                                                                                                                                                                                                                                                               |
| <b>React Species</b>         | Human<br>IF=1:100-500                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>          | not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.                                                                                                                                                                                                                                                                          |
| <b>Molecular weight</b>      | 44kDa                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cellular localization</b> | The cell membrane                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>                  | Lyophilized or Liquid                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>         | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>immunogen</b>             | KLH conjugated synthetic peptide derived from human HRH4/GPCR105                                                                                                                                                                                                                                                                                                                         |
| <b>Lsotype</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification</b>          | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>        | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.<br>Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| <b>Storage</b>               |                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Detail</b>        | <b>background:</b><br>Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by                                                                                                                                                                                                               |

histamine receptors H1, H2, H3 and H4. Histamine receptor H4 belongs to the family 1 of G protein-coupled receptors and has the highest homology to histamine receptor H3 among known G protein-coupled receptors. The Histamine H4 receptor has been reported in human blood peripheral leukocytes, bone marrow, colon, liver, lung, small intestine, spleen, testis, thymus, tonsil, and trachea.

**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)

**Subcellular Location:**

Cell membrane; Multi-pass membrane protein.

**Tissue Specificity:**

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.

**Similarity:**

Belongs to the G-protein coupled receptor 1 family.

**Database links:**

[Entrez Gene: 59340](#) Human

[Omim: 606792](#) Human

[SwissProt: Q9H3N8](#) Human

[Unigene: 287388](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.