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Rabbit Anti-HRH4/GPCR105 antibody

SL10165R

Product Name	HRH4/GPCR105
Chinese Name	组织胺 H4 受体抗体
Alias	GPCR105; GPRv53; H4 antibody H4R; HH4R; Histamine H4 receptor; AXOR35; BG26; G protein coupled receptor 105; HRH4_HUMAN; SP9144.
Research Area	Tumour immunology Signal transduction Apoptosis transcriptional regulatory factor
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,
Applications	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	44kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human HRH4/GPCR105: 285-390/390 <Extracellular>
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	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, smalll 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.

SWISS:
Q9H3N8

Gene ID:
59340

Database links:

Entrez Gene: 59340 Human

Omim: 606792 Human

SwissProt: Q9H3N8 Human

Unigene: 287388 Human

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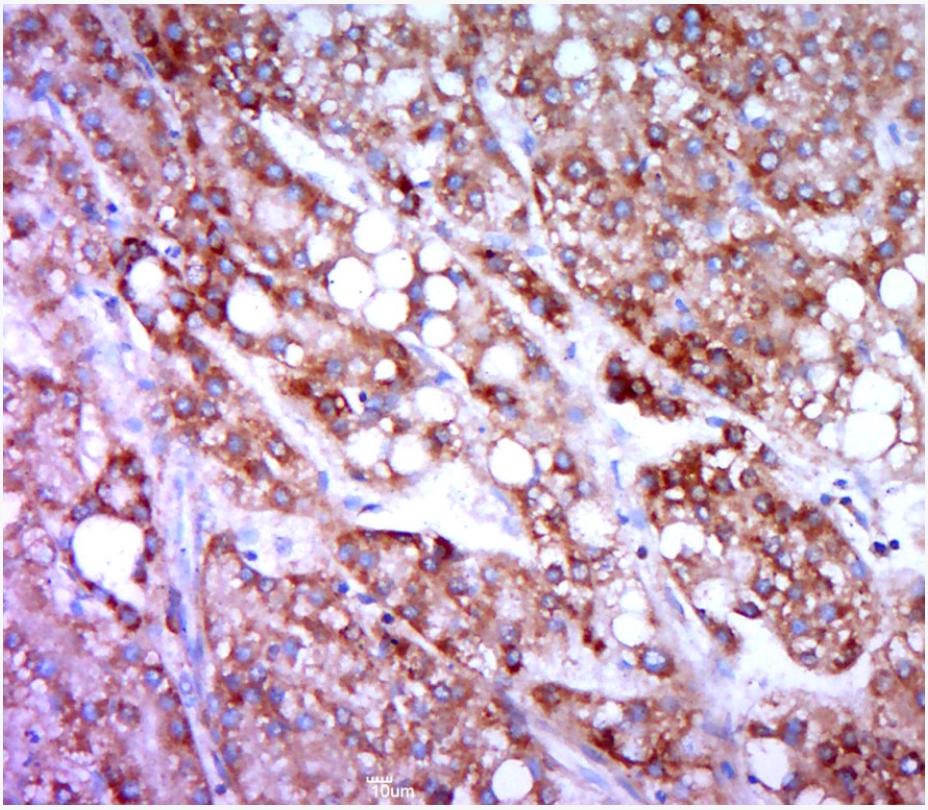
Product Picture



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HRH4) Polyclonal Antibody, Unconjugated (SL10165R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.