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Anti-HRH4 / Histamine H4 Receptor Antibody (Extracellular Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17544

Product Information

Application	IHC-P
Primary Accession	Q9H3N8
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44496
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	59340
Alias Symbol	HRH4
Other Names	HRH4, BG26, G-protein coupled receptor 105, GPRv53, H4, HH4R, Histamine H4 receptor, GPCR105, H4R, Pfi-013, SP9144, AXOR35, Gprc105, H4 histamine receptor, Histamine receptor H4
Target/Specificity	Human HRH4 / Histamine H4 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-HRH4 / Histamine H4 Receptor Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HRH4
Synonyms	GPCR105
Function	G protein-coupled receptor primarily expressed in immune cells such as mast cells, eosinophils, basophils, dendritic cells and neutrophils that plays a key role in immune and inflammatory responses (PubMed:26948974). Mediates chemotaxis of immune cells to sites of inflammation or injury by responding to histamine (PubMed:26948974). Activation by histamine also influences the release of proinflammatory cytokines such as TNF, CCL4, IL6 and IFN-gamma (PubMed:29600327, PubMed:31583075). Ligand binding induces a conformation change that triggers signaling via G(i)/GNAI1 leading to decreased intracellular cAMP levels by inhibiting adenylate cyclase activity

	(PubMed:39333117). In addition, plays a role in the control of renal reabsorption processes, particularly albumin uptake (By similarity).
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 and basophils (PubMed:12503632, PubMed:26948974, PubMed:29600327). 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.