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Anti-HRH2 / Histamine H2 Receptor Antibody (Extracellular Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17537

Product Information

Application	IHC-P
Primary Accession	P25021
Predicted	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40098
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	3274
Alias Symbol	HRH2
Other Names	HRH2, Gastric receptor I, H2R, Histamine 2 receptor, Gastric receptor 1, H2 histamine receptor, HH2R, Histamine type 2 receptor, Histamine H2 receptor, Histamine receptor H2
Target/Specificity	Human HRH2 / Histamine H2 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-HRH2 / Histamine H2 Receptor Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HRH2
Function	G protein-coupled receptor for histamine, primarily mediating gastric acid secretion. Predominantly expressed in the gastric mucosa, couples to G(s) G alpha proteins upon histamine binding, leading to activation of adenylate cyclase and increased intracellular cyclic AMP (cAMP) levels (PubMed:38647423, PubMed:39333117). This signaling cascade stimulates parietal cells to secrete hydrochloric acid, playing a key role in digestive physiology. Also expressed in other tissues, including the heart and central nervous system, where it may contribute to cardiac stimulation and modulate neurotransmitter release (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein.

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