

Histamine Receptor H2 (aa309-323) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3587a**Specification**

Histamine Receptor H2 (aa309-323) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	P25021
Other Accession	NP_001124527.1 , NP_071640.1 , 3274
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	40098

Histamine Receptor H2 (aa309-323) Antibody (internal region) - Additional Information**Gene ID** 3274**Other Names**

Histamine H2 receptor, H2R, HH2R, Gastric receptor I, HRH2

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Histamine Receptor H2 (aa309-323) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Histamine Receptor H2 (aa309-323) Antibody (internal region) - 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:<a href="http://www.uniprot.org/citations/38647423"

target="_blank">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

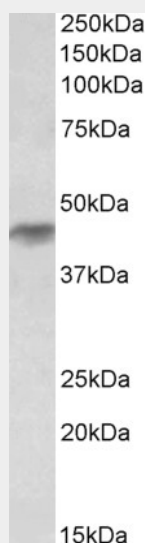
Cell membrane; Multi-pass membrane protein.

Histamine Receptor H2 (aa309-323) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Histamine Receptor H2 (aa309-323) Antibody (internal region) - Images



AF3587a (0.1 µg/ml) staining of Duodenum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Histamine Receptor H2 (aa309-323) Antibody (internal region) - Background

This antibody is expected to recognize both reported isoforms (NP_001124527.1; NP_071640.1).

Histamine Receptor H2 (aa309-323) Antibody (internal region) - References

Histamine: its novel role as an endogenous regulator of Con A-dependent T cell proliferation. Nakane H, Sonobe Y, Watanabe T, Nakano K. Inflamm Res. 2004 Jul;53(7):324-8. PMID: 15241568

Histamine Receptor H2 (aa309-323) Antibody (internal region) - Citations

- [Rhubarb-Evoke Mucus Secretion through Aggregation and Degranulation of Mast Cell in the](#)

[Colon of Rat: In vivo and ex vivo studies](#)