

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

### Specification

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

Application	WB
Primary Accession	<a href="#">P25021</a>
Other Accession	<a href="#">NP_001124527.1</a> , <a href="#">NP_071640.1</a> , <a href="#">3274</a>
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

#### 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

The H2 subclass of histamine receptors mediates gastric acid secretion. Also appears to regulate gastrointestinal motility and intestinal secretion. Possible role in regulating cell growth and differentiation. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and, through a separate G protein-dependent mechanism, the phosphoinositide/protein kinase (PKC) signaling pathway (By similarity).

#### Cellular Location

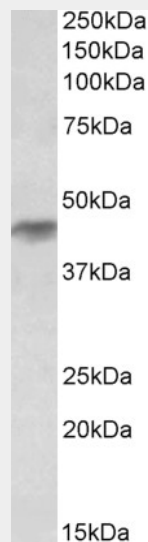
Cell membrane; Multi-pass membrane protein.

## 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](#)