

# HRH2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14970c

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P25021</a>
<b>Other Accession</b>	<a href="#">NP_071640.1</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB34939
<b>Calculated MW</b>	40098
<b>Antigen Region</b>	189-218

## Additional Information

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<b>Gene ID</b>	3274
<b>Other Names</b>	Histamine H2 receptor, H2R, HH2R, Gastric receptor I, HRH2
<b>Target/Specificity</b>	This HRH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 189-218 amino acids from the Central region of human HRH2.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	HRH2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	HRH2
<b>Function</b>	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.

## Background

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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 H2 belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and stimulates gastric acid secretion. It also regulates gastrointestinal motility and intestinal secretion and is thought to be involved in regulating cell growth and differentiation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

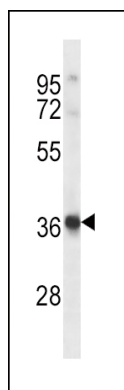
## References

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Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Szukiewicz, D., et al. Inflamm. Res. 59 SUPPL 2, S205-S207 (2010) : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

## Images

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HRH2 Antibody (Center) (Cat. #AP14970c) western blot analysis in Uterus tissue lysates (35ug/lane). This demonstrates the HRH2 antibody detected the HRH2 protein (arrow).

## Citations

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- [Histamine deficiency aggravates cardiac injury through miR-206/216b-Atg13 axis-mediated autophagic-dependant apoptosis.](#)

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