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HRH2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14970c

Specification

HRH2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P25021
Other Accession	NP_071640.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**40098**
Antigen Region	**189-218**

HRH2 Antibody (Center) - Additional Information

Gene ID 3274

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

Target/Specificity
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.

Dilution
WB~~1:1000

Format
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.

Storage
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.

Precautions
HRH2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HRH2 Antibody (Center) - 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).

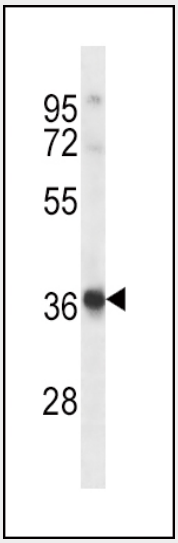
Cellular Location
Cell membrane; Multi-pass membrane protein.

HRH2 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HRH2 Antibody (Center) - Images



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

HRH2 Antibody (Center) - Background

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.

HRH2 Antibody (Center) - References

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)

HRH2 Antibody (Center) - Citations

- Histamine deficiency aggravates cardiac injury through miR-206/216b-Atg13 axis-mediated autophagic-dependant apoptosis.