Histamine H2 Receptor rabbit pAb

Cat#: orb768652 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	Histamine H2 Receptor rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HRH2. AA range:131-180
Specificity	Histamine H2 Receptor Polyclonal Antibody detects endogenous levels of Histamine H2 Receptor protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Histamine H2 receptor
Gene Name	HRH2
Cellular localization	Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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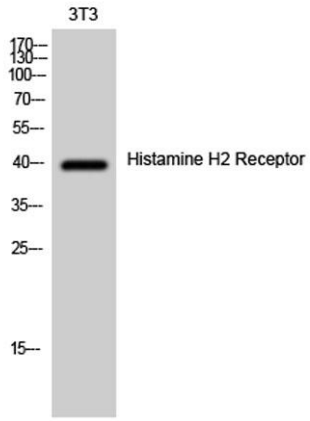
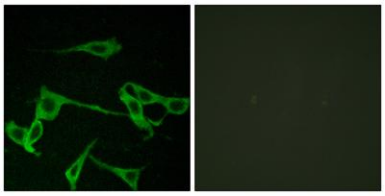
Concentration	1 mg/ml
Observed band	40kD
Human Gene ID	3274
Human Swiss-Prot Number	P25021
Alternative Names	HRH2; Histamine H2 receptor; H2R; HH2R; Gastric receptor I

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. [provided by RefSeq, Aug 2008],



Western Blot analysis of 3T3 cells using Histamine H2 Receptor Polyclonal Antibody



Immunofluorescence analysis of LOVO cells, using HRH2 Antibody. The picture on the right is blocked with the synthesized peptide.

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