



# Histamine H2 Receptor rabbit pAb

Cat No.:ES5777

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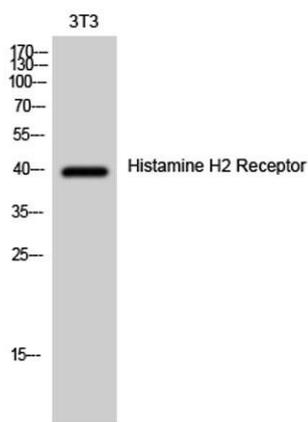
## Overview

<b>Product Name</b>	Histamine H2 Receptor rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HRH2. AA range:131-180
<b>Specificity</b>	Histamine H2 Receptor Polyclonal Antibody detects endogenous levels of Histamine H2 Receptor protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Histamine H2 receptor
<b>Gene Name</b>	HRH2
<b>Cellular localization</b>	Cell membrane; Multi-pass membrane protein.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	40kD
<b>Human Gene ID</b>	3274
<b>Human Swiss-Prot Number</b>	P25021
<b>Alternative Names</b>	HRH2; Histamine H2 receptor; H2R; HH2R; Gastric receptor I
<b>Background</b>	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.

