

Anti-Histamine H2 Receptor Antibody

Rabbit polyclonal antibody to Histamine H2 Receptor

Catalog # AP59581

Product Information

Application	WB, IF/IC
Primary Accession	P25021
Other Accession	P97292
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40098

Additional Information

Gene ID	3274
Other Names	Histamine H2 receptor; H2R; HH2R; Gastric receptor I
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Histamine H2 Receptor. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

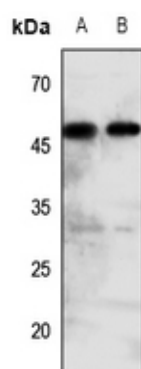
Name	HRH2
Function	The H2 subclass of histamine receptors mediates gastric acid secretion. Also appears to regulate gastrointestinal motility and intestinal secretion. Possible role in regulating cell growth and differentiation. The activity of this receptor is mediated by G proteins which activate adenylyl 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.

Background

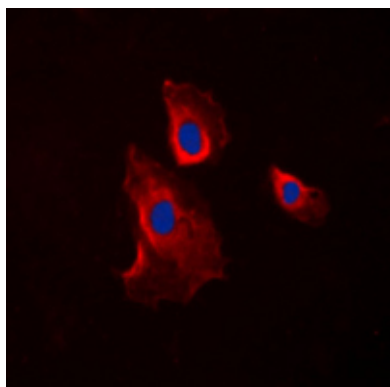
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Histamine

H2 Receptor. The exact sequence is proprietary.

Images



Western blot analysis of Histamine H2 Receptor expression in mouse kidney (A), rat liver (B) whole cell lysates.



Immunofluorescent analysis of Histamine H2 Receptor staining in COLO205 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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