10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Histamine Receptor H2 Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2456a

Specification

Histamine Receptor H2 Antibody (C-Term) - Product Information

Application	**WB, IF, FC**
Primary Accession	P25021
Other Accession	NP_071640.1, NP_001124527.1, 3274
Reactivity	**Rat**
Predicted	**Human, Mouse, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**40098**

Histamine Receptor H2 Antibody (C-Term) - Additional Information

Gene ID 3274

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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Histamine Receptor H2 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Histamine Receptor H2 Antibody (C-Term) - 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

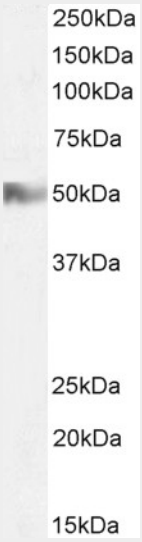
Cell membrane; Multi-pass membrane protein.

Histamine Receptor H2 Antibody (C-Term) - Protocols

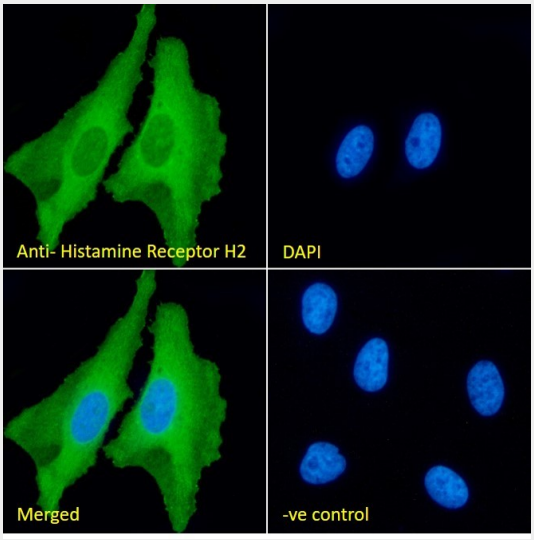
Provided below are standard protocols that you may find useful for product applications.

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

Histamine Receptor H2 Antibody (C-Term) - Images

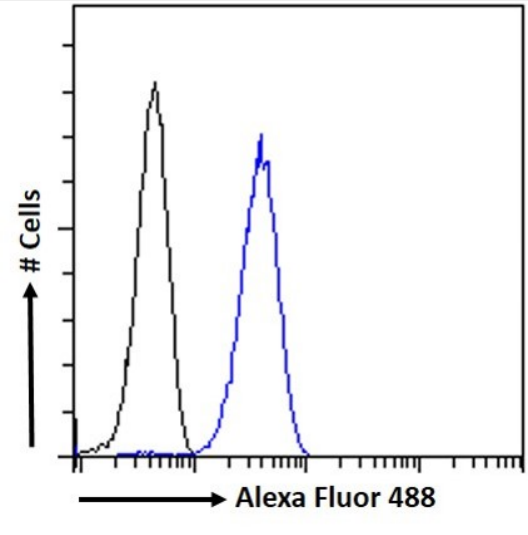


EB06905 (2µg/ml) staining of Human Tonsil lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EB06905 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06905 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

Histamine Receptor H2 Antibody (C-Term) - Background

This antibody is expected to recognise both reported isoforms.

Histamine Receptor H2 Antibody (C-Term) - References

Histamine: its novel role as an endogenous regulator of Con A-dependent T cell proliferation. Nakane H, Sonobe Y, Watanabe T, Nakano K. Inflamm Res. 2004 Jul;53(7):324-8. Epub 2004 Jun 25. PMID: 15241568