

**Histamine Receptor H2 Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2456a****Specification**

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

Application	IHC, IF, E
Primary Accession	<a href="#">P25021</a>
Other Accession	<a href="#">NP_071640.1</a> , <a href="#">NP_001124527.1</a> , <a href="#">3274</a>
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

**Dilution**

IHC~~1:100~500

IF~~1:50~200

E~~N/A

**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

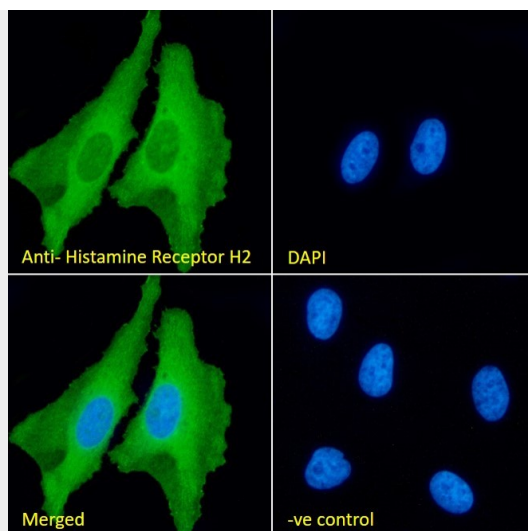
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

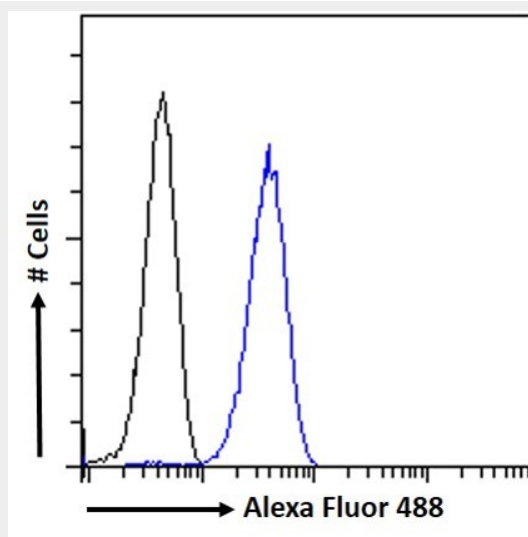
### Histamine Receptor H2 Antibody (C-Term) - Images



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



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