

**Histamine Receptor H1 (C Term) Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF2455a**Specification****Histamine Receptor H1 (C Term) Antibody (C-Term) - Product Information**

Application	IHC, FC
Primary Accession	<a href="#">P35367</a>
Other Accession	<a href="#">NP_000852.1</a> , <a href="#">NP_001091681.1</a> , <a href="#">NP_001091682.1</a> , <a href="#">NP_001091683.1</a> , <a href="#">3269</a> , <a href="#">15465 (mouse)</a> , <a href="#">24448 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	55784

**Histamine Receptor H1 (C Term) Antibody (C-Term) - Additional Information****Gene ID** 3269**Other Names**

Histamine H1 receptor, H1R, HH1R, HRH1

**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 H1 (C Term) Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**Histamine Receptor H1 (C Term) Antibody (C-Term) - Protein Information****Name** HRH1 ([HGNC:5182](#))**Function**G-protein-coupled receptor for histamine, a biogenic amine that functions as an immune modulator and a neurotransmitter (PubMed: [33828102](http://www.uniprot.org/citations/33828102), PubMed: [8280179](http://www.uniprot.org/citations/8280179)). Through the H1 receptor, histamine mediates the contraction of smooth muscles and increases capillary permeability due to contraction of terminal venules. Also

mediates neurotransmission in the central nervous system and thereby regulates circadian rhythms, emotional and locomotor activities as well as cognitive functions (By similarity).

#### Cellular Location

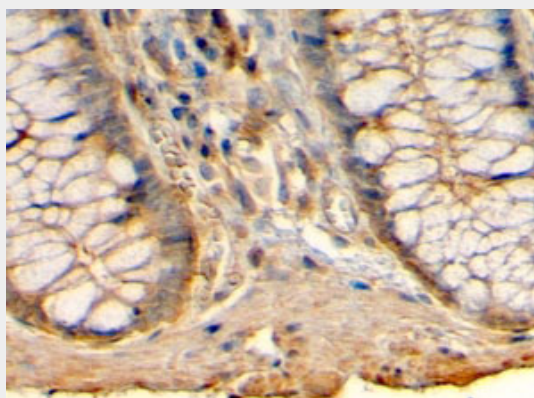
Cell membrane; Multi-pass membrane protein

#### Histamine Receptor H1 (C Term) Antibody (C-Term) - Protocols

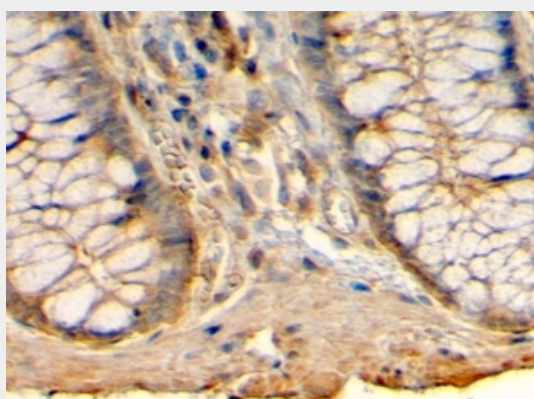
Provided below are standard protocols that you may find useful for product applications.

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

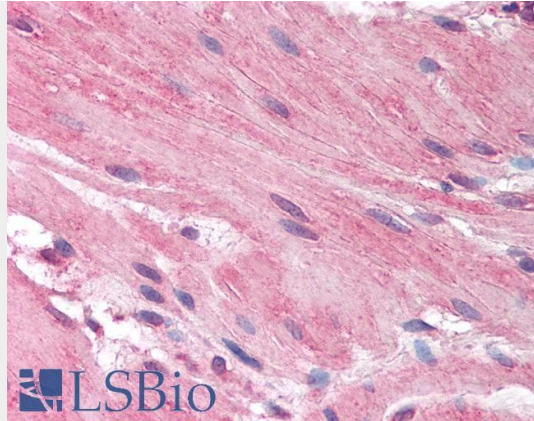
#### Histamine Receptor H1 (C Term) Antibody (C-Term) - Images



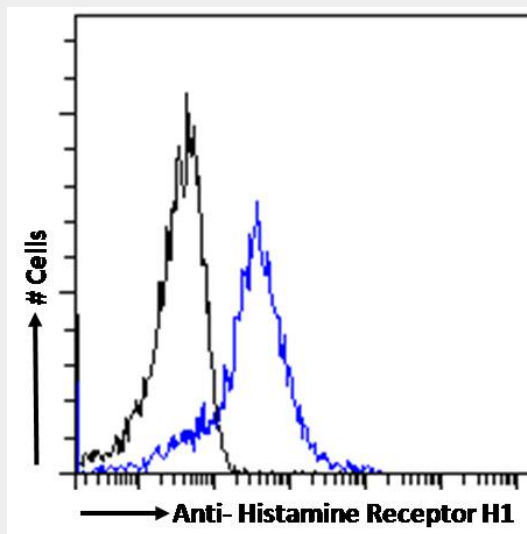
AF2455a (4  $\mu$ g/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



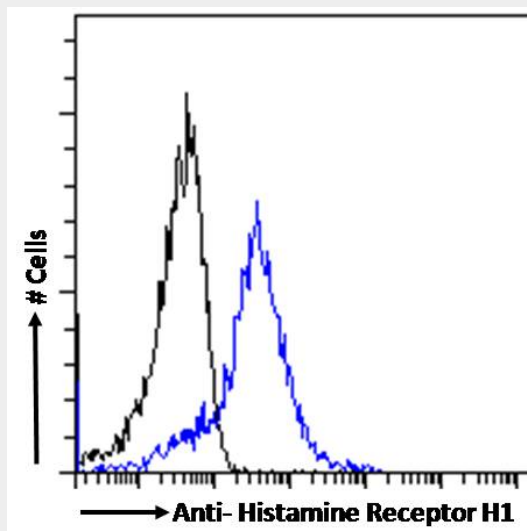
EB06904 (4 $\mu$ g/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06904 (5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06904 Flow cytometric analysis of paraformaldehyde fixed A431 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) fol



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### **Histamine Receptor H1 (C Term) Antibody (C-Term) - Background**

Variants (NP\_000852.1; NP\_001091681.1; NP\_001091682.1; NP\_001091683.1) encode the same protein.

### **Histamine Receptor H1 (C Term) Antibody (C-Term) - References**

Beta(2)-adrenergic receptor-mediated histamine H(1) receptor down-regulation: another possible advantage of beta(2) agonists in asthmatic therapy. Kawakami N, Miyoshi K, Horio S, Fukui H. J Pharmacol Sci. 2004 Apr;94(4):449-58. PMID: 15107586

### **Histamine Receptor H1 (C Term) Antibody (C-Term) - Citations**

- [Rhubarb-Evoke Mucus Secretion through Aggregation and Degranulation of Mast Cell in the Colon of Rat: In vivo and ex vivo studies](#)