

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06904 - Goat Anti-Histamine Receptor H1 (C Term) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** HRH1, histamine receptor H1, HGNC:5182, H1-R, hisH1, histamine receptor, subclass H1, OTTHUMP00000160133, histamine H(1) receptor

**Official Symbol:** HRH1

**Accession Number(s):** NP\_000852.1; NP\_001091681.1; NP\_001091682.1; NP\_001091683.1

**Human GeneID(s):** [3269](#)

**Non-Human GeneID(s):** 15465 (mouse), 24448 (rat)

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

### Immunogen

Peptide with sequence CNENFKKTFKRILH, from the C Terminus of the protein sequence according to NP\_000852.1; NP\_001091681.1; NP\_001091682.1; NP\_001091683.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**IHC:** This product has been successfully used in IHC on Rat (PMID: 30226827).

**Immunofluorescence:** This product has been successfully used in IF on Rat (PMID: 30413645 and 30143981).

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human, Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow

### Specific References

**This antibody has been successfully used in IF on Rat:**

Chen ZP, Zhang XY, Peng SY, Yang ZQ, Wang YB, Zhang YX, Chen X, Wang JJ, Zhu JN  
Histamine H1 Receptor Contributes to Vestibular Compensation.

J Neurosci. 2019 Jan 16;39(3):420-433.

PMID: 30413645

**This antibody has been successfully used in IHC on Rat:**

Zhuang QX, Li GY, Li B, Zhang CZ, Zhang XY, Xi K, Li HZ, Wang JJ, Zhu JN.

Regularizing firing patterns of rat subthalamic neurons ameliorates parkinsonian motor deficits.

J Clin Invest. 2018 Sep 18.

PMID: 30226827

**This antibody has been successfully used in IF on Rat:**

Miao-Jin Ji, Xiao-Yang Zhang, Xiao-Chun Peng, Yang-Xun Zhang, Zi Chen, Lei Yu,  
Jian-Jun Wang, Jing-Ning Zhu

Histamine Excites Rat GABAergic Ventral Pallidum Neurons via Co-activation of H1 and  
H2 Receptors

Neurosci Bull. 2018 Dec;34(6):1029-1036.

PMID: 30143981

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) followed by Alexa Fluor 488 secondary antibody.