

Email: customerservice@vectorlabs.com

Telephone: (650) 697-3600

GOAT ANTI-HISTAMINE RECEPTOR H2 ANTIBODY

SKU: EB06905







250kDa

150kDa

100kDa

75kDa

50kDa

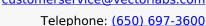
37kDa

25kDa

20kDa

15kDa







SPECIFICATIONS

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

Unit Size 100 µg

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

Synonym /

Alias OTTHUMP00000161242|gastric receptor 1|H2R|HGNC:5183|histamine receptor H2|HRH2

Names

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa cells. Usage Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of HeLa Summary

cells. Recommended concentration: 10ug/ml.

Accession

NP_001124527.1; NP_001354640.1 ID

Blocking

EBP06905 **Peptide**

Peptide with sequence C-QEEKPLKLQVWSGTE, from the C Terminus of the protein sequence according to **Immunogen**

NP_001124527.1; NP_001354640.1.

Peptide

C-QEEKPLKLQVWSGTE Sequence

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using

Method the immunizing peptide.

Shipping

Instructions Refrigerated

Predicted

Human, Mouse, Rat, Dog **Species**

Reactive

Human

Species

Human 3274 **Gene ID**

Product

https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png Grade

ELISA

Detection Antibody detection limit dilution 1:32000.

Limit

Western Approx 50kDa band observed in Human Tonsil lysates (calculated MW of 46.9kDa according to Human NP 001354640.1). Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature. **Blot**

Application

Pep-ELISA, WB, IF, FC

Type

SELECTED REFERENCES

[{"pmid": 23466693, "intro": "This antibody (previous batch) has been successfully used in IF on Rat:", "title": "Histamine excites neurons of the inferior vestibular nucleus in rats by









activation of H1 and H2 receptors.", "author": "Peng SY, Zhuang QX, He YC, Zhu JN, Wang JJ.", "journal": "Neurosci Lett. 2013 Apr 29;541:87-92."}, {"pmid": 25633097, "intro": "This antibody (previous batch) has been successfully used in IF on Rat:", "title": "Selective Modulation of Histaminergic Inputs on Projection Neurons of Cerebellum Rapidly Promotes Motor Coordination via HCN Channels.", "author": "Zhang J, Zhuang QX, Li B, Wu GY, Yung WH, Zhu IN, Wang J.", "journal": "Mol Neurobiol. 2016 Mar;53(2):1386-401."}, {"pmid": 29498008, "intro": "This antibody (previous batch) has been successfully used in IF on Rat:", "title": "Histamine Excites Striatal Dopamine D1 and D2 Receptor-Expressing Neurons via Postsynaptic H1 and H2 Receptors", "author": "Qian-Xing Zhuang & Han-Ting Xu & Xu-Juan Lu & Bin Li & Wing-Ho Yung & Jian-Jun Wang & Jing-Ning Zhu", "journal": "Mol Neurobiol. 2018 Oct;55(10):8059-8070."}, {"pmid": 23713466, "intro": "This antibody (previous batch) has been successfully used in IF on Rat:", "title": "Postsynaptic mechanisms underlying the excitatory action of histamine on medial vestibular nucleus neurons in rats.", "author": "Zhang XY, Yu L, Zhuang QX, Peng SY, Zhu JN, Wang JJ.", "journal": "Br J Pharmacol. 2013 Sep;170(1):156-69."}, {"pmid": 30226827, "intro": "This antibody (previous batch) has been successfully used in IHC on Rat:", "title": "Regularizing firing patterns of rat subthalamic neurons ameliorates parkinsonian motor deficits.", "author": "Zhuang QX, Li GY, Li B, Zhang CZ, Zhang XY, Xi K, Li HZ, Wang JJ, Zhu JN.", "journal": "J Clin Invest. 2018 Sep 18."}, {"pmid": 30143981, "intro": "This antibody (previous batch) has been successfully used in IF on Rat:", "title": "Histamine Excites Rat GABAergic Ventral Pallidum Neurons via Coactivation of H1 and H2 Receptors", "author": "Miao-Jin Ji, Xiao-Yang Zhang, Xiao-Chun Peng, Yang-Xun Zhang, Zi Chen, Lei Yu, Jian-Jun Wang, Jing-Ning Zhu", "journal": "Neurosci Bull. 2018 Dec;34(6):1029-1036."}, {"pmid": 28119568, "intro": "This antibody (previous batch) has been successfully used in IF on Rat:", "title": "Histamine Increases Neuronal Excitability and Sensitivity of the Lateral Vestibular Nucleus and Promotes Motor Behaviors via HCN Channel Coupled to H2 Receptor.", "author": "Bin Li, Xiao-Yang Zhang, Ai-Hong Yang, Xiao-Chun Peng, Zhang-Peng Chen, Jia-Yuan Zhou, Ying-Shing Chan, Jian-Jun Wang and Jing-Ning Zhu.", "journal": "Front Cell Neurosci. 2017 Jan 10;10:300."}, {"pmid": 35343587, "intro": "This antibody (previous batch) has been successfully used in WB on Mouse:", "title": "Activation of histamine type 2 receptors enhances intrinsic excitability of medium spiny neurons in the nucleus accumbens", "author": "Giuseppe Aceto, Luca Nardella, Simona Nanni, Valeria Pecci, Alessia Bertozzi, Claudia Colussi, Marcello D'Ascenzo, Claudio Grassi ", "journal": "I Physiol. 2022 Mar 28. doi: 10.1113/JP282962."}, {"pmid": 36512485, "intro": "**This antibody** (previous batch) has been successfully used in the following paper:", "title": "Histamine bidirectionally regulates the intrinsic excitability of parvalbumin-positive neurons in the lateral globus pallidus and promotes motor behaviour.", "author": "Zeng-Xin Qi, Kang-Li Shen, Jian-Ya Peng, Xiu-Juan Fan, Hui-Wei Huang, Jian-Lan Jiang, Jian-Hua Lu, Xiao-Qin Wang, Xiao-Xia Fang, Liang Chen, Qian-Xing Zhuang", "journal": "Br J Pharmacol. 2023 May;180(10):1379-1407."}, {"pmid": 38826392, "intro": "This antibody (previous batch) has been successfully used





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in IHC on Mouse:", "title": "Sexual dimorphism in histamine regulation of striatal dopamine", "author": "Meghan Van Zandt, Christopher Pittenger", "journal": "bioRxiv [Preprint]. 2025 Feb 28:2024.05.20.595049."}]

GALLERY IMAGES



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