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GOAT ANTI-HISTAMINE RECEPTOR H2 ANTIBODY

SKU: EB06905

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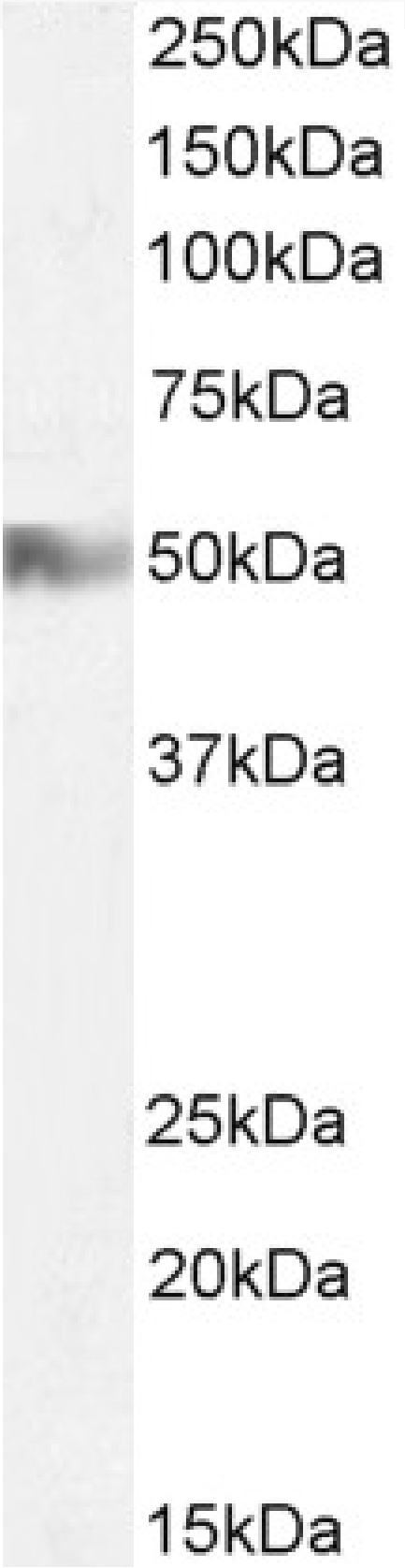

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SPECIFICATIONS

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
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	OTTHUMP00000161242|gastric receptor 1|H2R|HGNC:5183|histamine receptor H2|HRH2
Usage Summary	Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.
Accession ID	NP_001124527.1; NP_001354640.1
Blocking Peptide	EBP06905
Immunogen	Peptide with sequence C-QEEKPLKLQVWSGTE, from the C Terminus of the protein sequence according to NP_001124527.1; NP_001354640.1.
Peptide Sequence	C-QEEKPLKLQVWSGTE
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog
Reactive Species	Human
Human Gene ID	3274
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	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.
Application Type	Pep-ELISA, WB, IF, FC

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 JN, Wang JJ.", "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 Co-activation 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": "J 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**

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."}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES

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