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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.

Western blot: Preliminary experiments gave bands at approx 55kDa and 37kDa in Human Duodenum lysate after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the 37kDa band we observe given the calculated size of 55.8kDa according to NP_000852.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional band).

IHC: In paraffin embedded Human Colon shows membranous staining. Recommended concentration: 4-6µg/ml. Paraffin embedded Human Small Intestine. Recommended concentration: 5µg/ml. 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).

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:

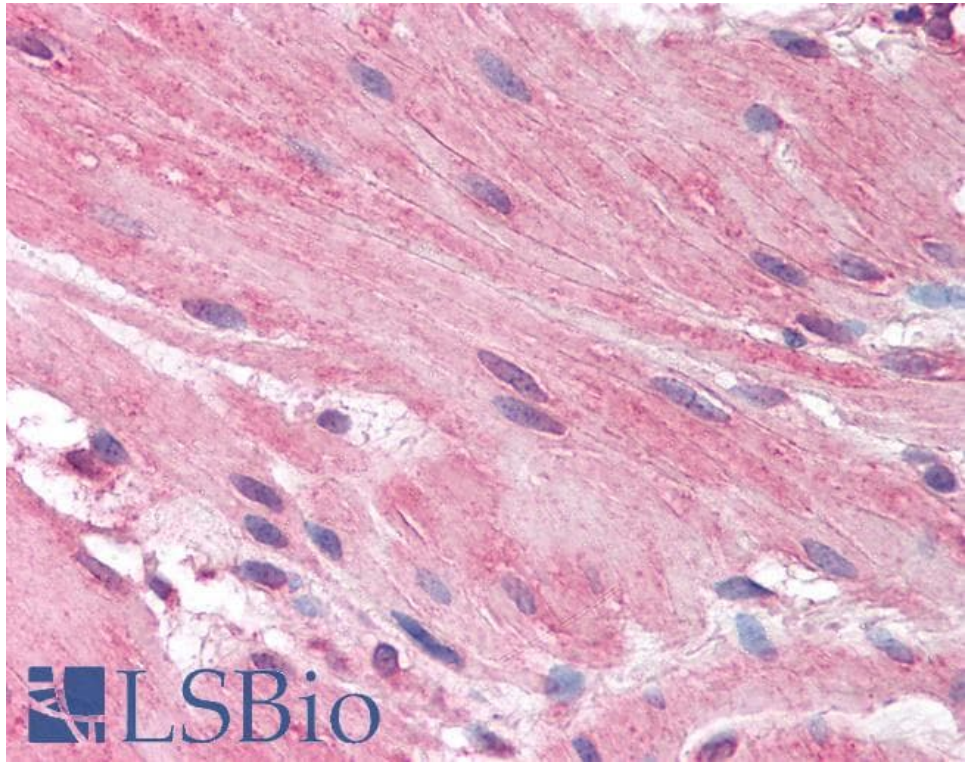
Miao-Jin Ji, Xiao-Yang Zhang, Xiao-Chun Peng, Yang-Xun Zhang, Zi Chen, Lei Yu,

Jian-Jun Wang, Jing-Ning Zhu

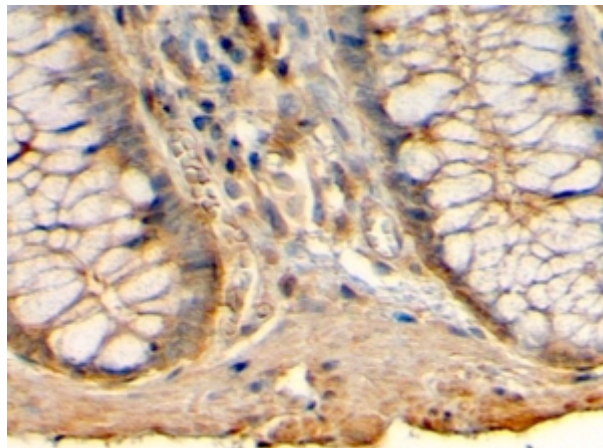
Histamine Excites Rat GABAergic Ventral Pallidum Neurons via Co-activation of H1 and H2 Receptors

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

PMID: 30143981



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



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