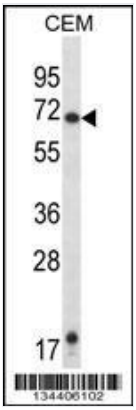
HRH1 Antibody – Rabbit Polyclonal

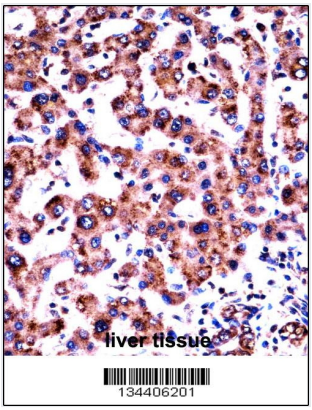
PRODUCT OVERVIEW

Product Name	HRH1, Polyclonal Antibody
Full Product Name	HRH1, ID (HRH1, Histamine H1 receptor) (Biotin)
Product Gene Name	anti-HRH1 antibody
Product Synonym Names	HRH1; Histamine H1 receptor
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	55,784 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (11178779..11304939). Location: 3p25
OMIM	600167
3D Structure	ModBase 3D Structure for P35367
Immunogen	HRH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 272-301 amino acids from the Central region of human HRH1.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-HRH1 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-HRH1 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-HRH1 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-HRH1 antibody	Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors H1, H2, H3 and H4. This gene was thought to be intronless until recently. The protein encoded by this gene is an integral membrane protein and belongs to the G protein-coupled receptor superfamily. It mediates the contraction of smooth muscles, the increase in capillary permeability due to contraction of terminal venules, the release of catecholamine from adrenal medulla, and neurotransmission in the central nervous system. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq].

Product References and Citations for anti-HRH1 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010). Davila, S., et al. Genes Immun. 11(3):232-238(2010). Notcovich, C., et al. Exp. Cell Res. 316(3):401-411(2010). Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009).
Other Notes	Small volumes of anti-HRH1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HRH1 purchase	MBS6308377 is an antibody targeting HRH1. Also known as HRH1, ID (HRH1, Histamine H1 receptor) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-HRH1 antibody
HRH1 Antibody (Center) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the HRH1 antibody detected the HRH1 protein (arrow).



Immunohistochemistry (IHC) of anti-HRH1 antibody
HRH1 Antibody (Center) (AP14425c)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of HRH1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HRH1. It may not necessarily be applicable to this product.

NCBI GI #	4504491
NCBI GeneID	3269
NCBI Accession #	NP_000852.1
NCBI Related Accession #	NP_001091682.1
UniProt Primary Accession #	P35367
UniProt Secondary Accession #	Q6P9E5; A8K047
UniProt Related Accession #	P35367
GenBank Nucleotide #	NM_000861.3
NCBI Official Full Name	histamine H1 receptor
NCBI Official Synonym Full Names	histamine receptor H1
NCBI Official Symbol	HRH1
NCBI Official Synonym Symbols	H1-R; hisH1
UniProt Protein Name	Histamine H1 receptor
Protein Family	Histamine H1 receptor
UniProt Gene Name	HRH1
UniProt Synonym Gene Names	H1R; HH1R
UniProt Entry Name	HRH1_HUMAN

NCBI Protein Information	histamine H1 receptor; H1R; HH1R; histamine receptor, subclass H1
NCBI Summary for HRH1	Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. Its various actions are mediated by histamine receptors H1, H2, H3 and H4. This gene was thought to be intronless until recently. The protein encoded by this gene is an integral membrane protein and belongs to the G protein-coupled receptor superfamily. It mediates the contraction of smooth muscles, the increase in capillary permeability due to contraction of terminal venules, the release of catecholamine from adrenal medulla, and neurotransmission in the central nervous system. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]
UniProt Comments for HRH1	H1R: In peripheral tissues, the H1 subclass of histamine receptors mediates the contraction of smooth muscles, increase in capillary permeability due to contraction of terminal venules, and catecholamine release from adrenal medulla, as well as mediating neurotransmission in the central nervous system. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, integral; Receptor, GPCR; GPCR, family 1; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 3p25 Cellular Component: nucleoplasm; integral to plasma membrane; cytoplasm; plasma membrane Molecular Function: G-protein coupled receptor activity; histamine receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; inositol phosphate-mediated signaling; positive regulation of vasoconstriction; eosinophil chemotaxis; regulation of synaptic plasticity; visual learning; positive regulation of inositol trisphosphate biosynthetic process; G-protein signaling, coupled to IP3 second messenger (phospholipase C activating); regulation of vascular permeability; inflammatory response; memory
Research Articles on HRH1	**1.** Study revealed that epithelial cells and vascular endothelial cells showed intense immunoreactivity for histamine H1 receptor inperennial allergic rhinitis.
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