MCHR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MCHR1, Polyclonal Antibody
Full Product Name	MCHR1 Antibody
Product Gene Name	anti-MCHR1 antibody
Product Synonym Names	GPR24
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total MCHR1 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	45,963 Da
OMIM	601751
3D Structure	ModBase 3D Structure for Q99705
Immunogen	Synthetic peptide corresponding to residues near the C terminal of human melanin-concentrating hormone receptor 1
Product Categories/Family for anti-MCHR1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MCHR1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-MCHR1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-MCHR1 antibody	MCHR1, a member of the G protein coupled receptor family 1, is an integral plasma membrane protein which binds melanin concentrating hormone. MCHR1 can inhibit cAMP accumulation and stimulate intracellular calcium flux, and is probably involved in the neuronal regulation of food consumption. Although structurally similar to somatostatin receptors, MCHR1 does not seem to bind somatostatin
Other Notes	Small volumes of anti-MCHR1 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 MCHR1 purchase	MBS8591061 is an antibody targeting MCHR1. Also known as MCHR1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MCHR1. It may not necessarily be applicable to this product.

NCBI GI #	88758590
NCBI GeneID	2847
NCBI Accession #	NP_005288.3
UniProt Primary Accession #	Q99705
UniProt Secondary Accession #	Q5R3J1; Q96S47; Q9BV08; B2RBX6
UniProt Related Accession #	Q99705
GenBank Nucleotide #	NM_005297.3
NCBI Official Full Name	melanin-concentrating hormone receptor 1
NCBI Official Synonym Full Names	melanin-concentrating hormone receptor 1
NCBI Official Symbol	MCHR1
NCBI Official Synonym Symbols	SLC1; GPR24; MCH1R; SLC-1; MCH-1R
UniProt Protein Name	Melanin-concentrating hormone receptor 1
UniProt Synonym Protein Names	G-protein coupled receptor 24; MCH-1R; MCH1R; MCHR; SLC-1; Somatostatin receptor-like protein
Protein Family	Melanin-concentrating hormone receptor
UniProt Gene Name	MCHR1
UniProt Synonym Gene Names	GPR24; SLC1; MCH receptor 1; MCH-R1; MCHR-1; MCH1R; MCHR
UniProt Entry Name	MCHR1_HUMAN
NCBI Protein Information	melanin-concentrating hormone receptor 1; MCH receptor 1; G protein-coupled receptor 24; somatostatin receptor-like protein
NCBI Summary for MCHR1	The protein encoded by this gene, a member of the G protein-coupled receptor family 1, is an integral plasma membrane protein which binds melanin-concentrating hormone. The encoded protein can inhibit cAMP accumulation and stimulate intracellular calcium flux, and is probably involved in the neuronal regulation of food consumption. Although structurally similar to somatostatin receptors, this protein does not seem to bind somatostatin. [provided by RefSeq, Jul 2008]
UniProt Comments for MCHR1	MCHR1: Receptor for melanin-concentrating hormone, coupled to both G proteins that inhibit adenylyl cyclase and G proteins that activate phosphoinositide hydrolysis. Belongs to the G-protein coupled receptor 1 family. Protein type: GPCR, family 1; Receptor, GPCR; Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 22q13.2 Cellular Component: integral to plasma membrane; nonmotile primary cilium; plasma membrane Molecular Function: G-protein coupled receptor activity; protein C-terminus binding; neuropeptide receptor activity; hormone binding; melanin-concentrating hormone receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; elevation of cytosolic calcium ion concentration; generation of precursor metabolites and energy; neuropeptide signaling pathway; feeding behavior; G-protein signaling, adenylate cyclase inhibiting pathway; positive regulation of calcium ion transport
Research Articles on MCHR1	**1.** Polymorphisms in the MCHR1 gene are associated with differences in body composition and interact with physiologic and energy-related lifestyle factors.
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