PRLHR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRLHR, Polyclonal Antibody
Full Product Name	PRLHR, CT (PRLHR, GPR10, GR3, Prolactin-releasing peptide receptor, G-protein coupled receptor 10, hGR3) (MaxLight 750)
Product Gene Name	anti-PRLHR antibody
Product Synonym Names	PRLHR; GPR10; GR3; Prolactin-releasing peptide receptor; G-protein coupled receptor 10; hGR3
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 MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	41,121 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (120352916..120355160, complement). Location: 10q26.13
OMIM	600895
3D Structure	ModBase 3D Structure for P49683
Immunogen	PRLHR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-312 amino acids from the C-terminal region of human PRLHR.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-PRLHR antibody	Antibodies; G Protein Receptors
Applications Tested/Suitable for anti-PRLHR antibody	Western Blot (WB), FLISA
Application Notes for anti-PRLHR antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PRLHR antibody	PRLHR is a 7-transmembrane domain receptor for prolactin-releasing hormone (PRLH; MIM 602663) that is highly expressed in anterior pituitary (Ozawa et al., 2002 [PubMed 11923475]).
Product References and Citations for anti-PRLHR antibody	Bailey, S.D., et al. Diabetes Care (2010). In press: Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009). Lagerstrom, M.C., et al. Genomics 85(6):688-703(2005). Ellacott, K.L., et al. Peptides 26(4):675-681(2005). Deloukas, P., et al. Nature 429(6990):375-381(2004).

Other Notes	Small volumes of anti-PRLHR 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 PRLHR purchase	MBS6337488 is an antibody targeting PRLHR. Also known as PRLHR, CT (PRLHR, GPR10, GR3, Prolactin-releasing peptide receptor, G-protein coupled receptor 10, hGR3) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	4758474
NCBI GeneID	2834
NCBI Accession #	NP_004239.1
UniProt Primary Accession #	P49683
UniProt Secondary Accession #	O75194; Q502U8; Q5VXR9
UniProt Related Accession #	P49683
GenBank Nucleotide #	NM_004248.2
NCBI Official Full Name	prolactin-releasing peptide receptor
NCBI Official Synonym Full Names	prolactin releasing hormone receptor
NCBI Official Symbol	PRLHR
NCBI Official Synonym Symbols	GR3; GPR10; PrRPR
UniProt Protein Name	Prolactin-releasing peptide receptor
UniProt Synonym Protein Names	G-protein coupled receptor 10; hGR3
Protein Family	Prolactin-releasing peptide receptor
UniProt Gene Name	PRLHR
UniProt Synonym Gene Names	GPR10; GR3; PrRP receptor; PrRPR
UniProt Entry Name	PRLHR_HUMAN
NCBI Protein Information	prolactin-releasing peptide receptor; hGR3; prRP receptor; G protein-coupled receptor 10; G-protein coupled receptor 10; prolactin releasing peptide receptor; prolactin-releasing hormone receptor
UniProt Comments for PRLHR	GPR10: Receptor for prolactin-releasing peptide (PrRP). Implicated in lactation, regulation of food intake and pain-signal processing. Belongs to the G-protein coupled receptor 1 family. Protein type: GPCR, family 1; Membrane protein, multi-pass; Receptor, GPCR; Membrane protein, integral Chromosomal Location of Human Ortholog: 10q26.13 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; protein binding; neuropeptide receptor activity; neuropeptide Y receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; neuropeptide signaling pathway; hormone metabolic process; feeding behavior; female pregnancy
Research Articles on PRLHR	**1.** demonstrate previously unrecognized roles for GPR10 and its upstream regulator REST in the pathogenesis of uterine fibroids

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