GPCR19 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GPCR19, Polyclonal Antibody
Full Product Name	GPCR19 Antibody
Product Gene Name	anti-GPCR19 antibody
Product Synonym Gene Name	GPBAR1
Product Synonym Names	TGR5; G-protein coupled bile acid receptor 1; G-protein coupled receptor GPCR19; hGPCR19; Membrane-type receptor for bile acids; M-BAR; hBG37; BG37
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of GPCR19 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	35,248 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (219125738..219128582). Location: 2q35
OMIM	610147
3D Structure	ModBase 3D Structure for Q8TDU6
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GPCR19.
Product Categories/Family for anti-GPCR19 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GPCR19 antibody	Western Blot (WB)
Application Notes for anti-GPCR19 antibody	WB: 1:500-1:1000
Related Product Information for anti-GPCR19 antibody	MBS8596390 is an antibody targeting GPCR19. Also known as GPCR19 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-GPCR19 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GPCR19. It may not necessarily be applicable to this product.

NCBI GI #	116284384
NCBI GeneID	151306
NCBI Accession #	NP_001070659.1
UniProt Primary Accession #	Q8TDU6
UniProt Secondary Accession #	B3KV35
UniProt Related Accession #	Q8TDU6
GenBank Nucleotide #	NM_001077191.1
NCBI Official Full Name	G-protein coupled bile acid receptor 1
NCBI Official Synonym Full Names	G protein-coupled bile acid receptor 1
NCBI Official Symbol	GPBAR1
NCBI Official Synonym Symbols	BG37; TGR5; M-BAR; GPCR19; GPR131
UniProt Protein Name	G-protein coupled bile acid receptor 1
UniProt Synonym Protein Names	G-protein coupled receptor GPCR19; hGPCR19; Membrane-type receptor for bile acids; M-BAR; hBG37
UniProt Gene Name	GPBAR1
UniProt Synonym Gene Names	TGR5; hGPCR19; M-BAR; BG37
UniProt Entry Name	GPBAR_HUMAN
NCBI Protein Information	G-protein coupled bile acid receptor 1; hBG37; hGPCR19; membrane bile acid receptor; G-protein coupled receptor GPCR19; membrane-type receptor for bile acids; G-protein coupled bile acid receptor BG37
NCBI Summary for GPCR19	This gene encodes a member of the G protein-coupled receptor (GPCR) superfamily. This enzyme functions as a cell surface receptor for bile acids. Treatment of cells expressing this GPCR with bile acids induces the production of intracellular cAMP, activation of a MAP kinase signaling pathway, and internalization of the receptor. The receptor is implicated in the suppression of macrophage functions and regulation of energy homeostasis by bile acids. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]
UniProt Comments for GPCR19	GPBAR1: Receptor for bile acid. Bile acid-binding induces its internalization, activation of extracellular signal-regulated kinase and intracellular cAMP production. May be involved in the suppression of macrophage functions by bile acids. Belongs to the G-protein coupled receptor 1 family. Protein type: GPCR, family 1; Membrane protein, multi-pass; Membrane protein, integral; Receptor, GPCR Chromosomal Location of Human Ortholog: 2q35 Cellular Component: cytoplasm; integral to membrane; plasma membrane Biological Process: G-protein coupled receptor protein signaling pathway
Research Articles on GPCR19	**1.** Human adipose tissue TGR5 expression is positively correlated to obesity and reduced during diet-induced weight loss.
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