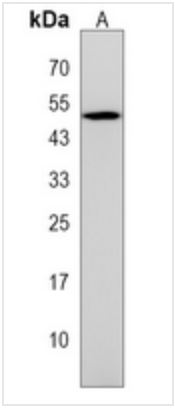
GPR84 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GPR84, Polyclonal Antibody
Full Product Name	Anti-GPR84 Antibody
Product Gene Name	anti-GPR84 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of GPR84 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	43,705 Da
OMIM	606383
3D Structure	ModBase 3D Structure for Q9NQS5
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the Central region of human GPR84. The exact sequence is proprietary.
Product Categories/Family for anti-GPR84 antibody	Primary Antibodies
Applications Tested/Suitable for anti-GPR84 antibody	Western Blot (WB)
Application Notes for anti-GPR84 antibody	WB: 1/500-1/1000
Related Product Information for anti-GPR84 antibody	MBS8323300 is an antibody targeting GPR84. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to GPR84
Other Notes	Small volumes of anti-GPR84 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.



Western Blot (WB) of anti-GPR84 antibody
Western blot analysis of GPR84 expression in WiDr (A) whole cell lysates. (Predicted band size: 43 kD; Observed band size: 52 kD)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GPR84. It may not necessarily be applicable to this product.

NCBI GI #	9966839
NCBI GeneID	53831
NCBI Accession #	NP_065103.1
UniProt Primary Accession #	Q9NQS5
UniProt Secondary Accession #	B6V9G7
UniProt Related Accession #	Q9NQS5
GenBank Nucleotide #	NM_020370.2
NCBI Official Full Name	G-protein coupled receptor 84
NCBI Official Synonym Full Names	G protein-coupled receptor 84
NCBI Official Symbol	GPR84
NCBI Official Synonym Symbols	EX33; GPCR4
UniProt Protein Name	G-protein coupled receptor 84
UniProt Synonym Protein Names	Inflammation-related G-protein coupled receptor EX33
Protein Family	G-protein coupled receptor
UniProt Gene Name	GPR84
UniProt Synonym Gene Names	EX33
UniProt Entry Name	GPR84_HUMAN
NCBI Protein Information	G-protein coupled receptor 84; inflammation-related G protein-coupled receptor EX33; inflammation-related G-protein coupled receptor EX33

UniProt Comments for GPR84	GPR84: Receptor for medium-chain free fatty acid (FFA) with carbon chain lengths of C9 to C14. Capric acid (C10:0), undecanoic acid (C11:0) and lauric acid (C12:0) are the most potent agonists. Not activated by short-chain and long-chain saturated and unsaturated FFAs. Activation by medium-chain free fatty acid is coupled to a pertussis toxin sensitive G(i/o) protein pathway. May have important roles in processes from fatty acid metabolism to regulation of the immune system. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; Motility/polarity/chemotaxis; GPCR, family 1; Receptor, GPCR; Membrane protein, integral Chromosomal Location of Human Ortholog: 12q13.13 Cellular Component: plasma membrane; integral to membrane; receptor complex Molecular Function: G-protein coupled receptor activity Biological Process: G-protein coupled receptor protein signaling pathway
Research Articles on GPR84	**1.** Medium-chain fatty acid-sensing receptor, GPR84, is a proinflammatory receptor.
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