GPR68 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	GPR68, Blocking Peptide
Full Product Name	GPR68 Peptide - C-terminal region
Product Gene Name	GPR68 blocking peptide
Sequence	Synthetic peptide located within the following region: GILRAVRRSH GTQKSRKDQI QRLVLSTVVI FLACFLPYHV LLLVRSVWEA
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	GPR68 peptide (MBS3241314) is used for blocking the activity of GPR68 antibody (MBS3216414)
Molecular Weight	38kDa
Product Categories/Family for GPR68 blocking peptide	Peptide
Applications Tested/Suitable for GPR68 blocking peptide	Western Blot (WB)
Related Product Information for GPR68 blocking peptide	This is a synthetic peptide designed for use in combination with anti-GPR68 Antibody, made Target Description: Proton-sensing receptor is involved in pH homeostasis. GPR68 may represents an osteoblastic pH sensor regulating cell-mediated responses to acidosis in bone. GPR68 mediates its action by association with G proteins that stimulates inositol phosphate (IP) production or Ca2+ mobilization. The receptor is almost silent at pH 7.8 but fully activated at pH 6.8. Function also as a metastasis suppressor gene in prostate cancer.
Other Notes	Small volumes of GPR68 blocking peptide 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 GPR68 purchase	MBS3241314 is a blocking peptide targeting GPR68. Also known as GPR68 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GPR68. It may not necessarily be applicable to this product.

NCBI GeneID	8111
UniProt Primary Accession #	A1A5B2
UniProt Related Accession #	Q15743
NCBI Official Full Name	Protein
NCBI Official Synonym Full Names	G protein-coupled receptor 68
NCBI Official Symbol	GPR68
NCBI Official Synonym Symbols	OGR1; AI2A6; GPR12A
Protein Family	Ovarian cancer G-protein coupled receptor

NCBI Protein Information	ovarian cancer G-protein coupled receptor 1
NCBI Summary for GPR68	The protein encoded by this gene is a G protein-coupled receptor for sphingosylphosphorylcholine. The encoded protein is a proton-sensing receptor, inactive at pH 7.8 but active at pH 6.8. Mutations in this gene are a cause of amelogenesis imperfecta. [provided by RefSeq, Feb 2017]
Research Articles on GPR68	**1.** GPR68 is an essential flow sensor in arteriolar endothelium and is a critical signaling component in cardiovascular pathophysiology
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