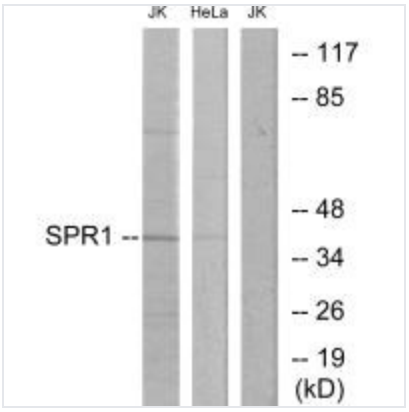
GPR68 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GPR68, Polyclonal Antibody
Full Product Name	GPR68 Antibody
Product Gene Name	anti-GPR68 antibody
Product Synonym Names	Sphingosylphosphorylcholine receptor; Ovarian cancer G-protein coupled receptor 1; OGR-1; G-protein coupled receptor 68; GPR12A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; Rabbit IgG In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	41,077 Da
Chromosome Location	Chromosome: 14; NC_000014.8 (91698876..91720224, complement). Location: 14q31
OMIM	601404
3D Structure	ModBase 3D Structure for Q15743
Immunogen	Synthesized peptide derived from internal of human SPR1.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-GPR68 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GPR68 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-GPR68 antibody	WB: 1:500-1:3000
Related Product Information for anti-GPR68 antibody	MBS7130876 is an antibody targeting GPR68. Also known as GPR68 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-GPR68 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-GPR68 antibody
Western blot analysis of extracts from Jurkat cells and HeLa cells, using SPR1 antibody.

ADDITIONAL DETAILS

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

NCBI GI #	295054325
NCBI GeneID	8111
NCBI Accession #	NP_001171147.1
UniProt Primary Accession #	Q15743
UniProt Secondary Accession #	Q13334; Q4VBB4; Q6IX34
UniProt Related Accession #	Q15743
GenBank Nucleotide #	NM_001177676.1
NCBI Official Full Name	ovarian cancer G-protein coupled receptor 1
NCBI Official Synonym Full Names	G protein-coupled receptor 68
NCBI Official Symbol	GPR68
NCBI Official Synonym Symbols	OGR1; GPR12A
UniProt Protein Name	Ovarian cancer G-protein coupled receptor 1
UniProt Synonym Protein Names	G-protein coupled receptor 68; GPR12A; Sphingosylphosphorylcholine receptor
Protein Family	Ovarian cancer G-protein coupled receptor
UniProt Gene Name	GPR68
UniProt Synonym Gene Names	OGR1; OGR-1
UniProt Entry Name	OGR1_HUMAN
NCBI Protein Information	ovarian cancer G-protein coupled receptor 1; G-protein coupled receptor 68; sphingosylphosphorylcholine receptor; ovarian cancer G protein-coupled receptor, 1

UniProt Comments for GPR68	GPR68: Proton-sensing receptor involved in pH homeostasis. May represents an osteoblastic pH sensor regulating cell-mediated responses to acidosis in bone. Mediates its action by association with G proteins that stimulates inositol phosphate (IP) production or Ca(2+) 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. Belongs to the G-protein coupled receptor 1 family. Protein type: Tumor suppressor; Membrane protein, integral; Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 1 Chromosomal Location of Human Ortholog: 14q31 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: G-protein coupled receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; inflammatory response; negative regulation of monocyte differentiation
Research Articles on GPR68	**1.** The involvement of ovarian cancer G-protein-coupled receptor 1 in acidic extracellular environment may be an underlying mechanism responsible for bone pain in osteoporosis or bone metastasis without clinically proved fractures.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/gpr68/7130876