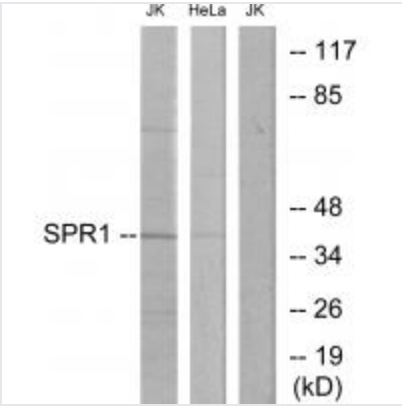
SPR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SPR1, Polyclonal Antibody
Full Product Name	SPR1 Antibody
Product Gene Name	anti-SPR1 antibody
Product Synonym Names	Sphingosylphosphorylcholine receptor; Ovarian cancer G-protein coupled receptor 1; OGR-1; G-protein coupled receptor 68; GPR12A
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
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 affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total SPR1 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	41,077 Da
OMIM	601404
3D Structure	ModBase 3D Structure for Q15743
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human SPR1.
Target Name	SPR1
Product Categories/Family for anti-SPR1 antibody	Total protein Ab
Applications Tested/Suitable for anti-SPR1 antibody	Western Blot (WB)
Application Notes for anti-SPR1 antibody	Western blotting: 1:500~1:3000
Related Product Information for anti-SPR1 antibody	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 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 By similarity.An S., FEBS Lett. 375:121-124(1995).Xu Y., Genomics 35:397-402(1996).King M.M., Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
Other Notes	Small volumes of anti-SPR1 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 SPR1 purchase	MBS9403078 is an antibody targeting SPR1. Also known as SPR1 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-SPR1 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 SPR1. 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	Protein
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

UniProt Comments for SPR1	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; GPCR, family 1; Membrane protein, multi-pass; Membrane protein, integral; Receptor, GPCR 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; negative regulation of monocyte differentiation; inflammatory response
Research Articles on SPR1	**1.** Provide evidence for the roles of OGR1 and ASIC1a in the regulation of intestinal passive Mg(2+) absorption.
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