S1PR5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	S1PR5, Polyclonal Antibody
Full Product Name	S1PR5 Antibody
Product Gene Name	anti-S1PR5 antibody
Product Synonym Names	Sphingosine 1-phosphate receptor 5; EDG8
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.
Molecular Weight	398
OMIM	605146
3D Structure	ModBase 3D Structure for Q9H228
Immunogen	Peptide-KLH
Product Categories/Family for anti-S1PR5 antibody	Total protein Ab
Applications Tested/Suitable for anti-S1PR5 antibody	Western Blot (WB)
Application Notes for anti-S1PR5 antibody	WB: 1:500-1:1000
Related Product Information for anti-S1PR5 antibody	Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. Is coupled to both the G (i/0)alpha and G (12) subclass of heteromeric G-proteins (By similarity). May play a regulatory role in the transformation of radial glial cells into astrocytes and may affect proliferative activity of these cells.
Other Notes	Small volumes of anti-S1PR5 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 S1PR5 purchase	MBS9458470 is an antibody targeting S1PR5. Also known as S1PR5 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for S1PR5. It may not necessarily be applicable to this product.

NCBI GI #	62510663
NCBI GeneID	53637

NCBI Accession #	Q9H228.1
UniProt Primary Accession #	Q9H228
UniProt Secondary Accession #	Q6NW11
UniProt Related Accession #	Q9H228
NCBI Official Full Name	Sphingosine 1-phosphate receptor 5
NCBI Official Synonym Full Names	sphingosine-1-phosphate receptor 5
NCBI Official Symbol	S1PR5
NCBI Official Synonym Symbols	EDG8; S1P5; Edg-8; SPPR-1; SPPR-2
UniProt Protein Name	Sphingosine 1-phosphate receptor 5
UniProt Synonym Protein Names	Endothelial differentiation G-protein-coupled receptor 8; Sphingosine 1-phosphate receptor Edg-8; S1P receptor Edg-8
Protein Family	Sphingosine 1-phosphate receptor
UniProt Gene Name	S1PR5
UniProt Synonym Gene Names	EDG8; S1P receptor 5; S1P5; S1P receptor Edg-8
UniProt Entry Name	S1PR5_HUMAN
NCBI Protein Information	sphingosine 1-phosphate receptor 5; S1P receptor 5; S1P receptor Edg-8; sphingosine 1-phosphate receptor EDG8; sphingosine 1-phosphate receptor Edg-8; endothelial differentiation G-protein-coupled receptor 8; endothelial differentiation, sphingolipid G-pr
NCBI Summary for S1PR5	The lysosphingolipid sphingosine 1-phosphate (S1P) regulates cell proliferation, apoptosis, motility, and neurite retraction. Its actions may be both intracellular as a second messenger and extracellular as a receptor ligand. S1P and the structurally related lysolipid mediator lysophosphatidic acid (LPA) signal cells through a set of G protein-coupled receptors known as EDG receptors. Some EDG receptors (e.g., EDG1; MIM 601974) are S1P receptors; others (e.g., EDG2; MIM 602282) are LPA receptors.[supplied by OMIM, Mar 2008]
UniProt Comments for S1PR5	EDG8: Receptor for the lysosphingolipid sphingosine 1- phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. Is coupled to both the G(i/0)alpha and G(12) subclass of heteromeric G-proteins. May play a regulatory role in the transformation of radial glial cells into astrocytes and may affect proliferative activity of these cells. Belongs to the G-protein coupled receptor 1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Receptor, GPCR; GPCR, family 1; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: integral to membrane; plasma membrane Biological Process: regulation of neuron differentiation
Research Articles on S1PR5	**1.** Data show that sphingosine kinase SphK1 and sphingosine-1-phosphate (S1P) receptors S1P1, S1P2, S1P3, and S1P5 were expressed from primary, up to recurrent and secondary glioblastomas, with sphingosine kinase SphK2 levels were highest in primary tumors.
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