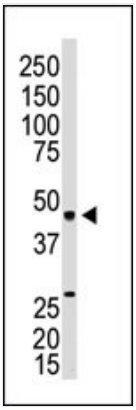
S1PR3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EDG3 (S1PR3), Polyclonal Antibody
Full Product Name	EDG3 Antibody (N-term)
Product Gene Name	anti-S1PR3 antibody
Product Synonym Names	Sphingosine 1-phosphate receptor 3; S1P receptor 3; S1P3; Endothelial differentiation G-protein coupled receptor 3; Sphingosine 1-phosphate receptor Edg-3; S1P receptor Edg-3; S1PR3; EDG3
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human, mouse
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 2 (lot specific)
Specificity	This EDG3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human EDG3.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	EDG3 peptide (MBS9225910) is used for blocking the activity of EDG3 antibody (MBS9213428)
Molecular Weight	42250
Immunogen Sequence Positions	1-30
OMIM	601965
3D Structure	ModBase 3D Structure for Q99500
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-S1PR3 antibody	Cardiovascular; Signal Transduction; GPCR Antibodies
Applications Tested/Suitable for anti-S1PR3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-S1PR3 antibody	WB~~1:1000
Related Product Information for anti-S1PR3 antibody	EDG3 is a member of the EDG family of receptors, which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function.

Product References and Citations for anti-S1PR3 antibody	Licht, T., et al., Blood 102(6):2099-2107 (2003). Himmel, H.M., et al., Mol. Pharmacol. 58(2):449-454 (2000). An, S., et al., J. Biol. Chem. 275(1):288-296 (2000). Ancellin, N., et al., J. Biol. Chem. 274(27):18997-19002 (1999). Lee, M.J., et al., Cell 99(3):301-312 (1999).
Other Notes	Small volumes of anti-S1PR3 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 S1PR3 purchase	MBS9213428 is an antibody targeting S1PR3. Also known as EDG3 Antibody (N-term). Reactive in Human, mouse. Host: Rabbit.



Western Blot (WB) of anti-S1PR3 antibody
The anti-EDG3 N-term Antibody is used in Western blot to detect EDG3 in mouse kidney lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for S1PR3. It may not necessarily be applicable to this product.

NCBI GI #	38788193
NCBI GeneID	1903
NCBI Accession #	NP_005217.2
UniProt Primary Accession #	Q99500
UniProt Secondary Accession #	Q5SQD8; Q7Z5I2
UniProt Related Accession #	Q99500
GenBank Nucleotide #	NM_005226.3
NCBI Official Full Name	sphingosine 1-phosphate receptor 3
NCBI Official Synonym Full Names	sphingosine-1-phosphate receptor 3
NCBI Official Symbol	S1PR3
NCBI Official Synonym Symbols	EDG3; LPB3; S1P3; EDG-3
UniProt Protein Name	Sphingosine 1-phosphate receptor 3
UniProt Synonym Protein Names	Endothelial differentiation G-protein coupled receptor 3; Sphingosine 1-phosphate receptor Edg-3; S1P receptor Edg-3
Protein Family	Sphingosine 1-phosphate receptor
UniProt Gene Name	S1PR3
UniProt Synonym Gene Names	EDG3; S1P receptor 3; S1P3; S1P receptor Edg-3

UniProt Entry Name	S1PR3_HUMAN
NCBI Protein Information	sphingosine 1-phosphate receptor 3
NCBI Summary for S1PR3	This gene encodes a member of the EDG family of receptors, which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function. [provided by RefSeq, Jul 2008]
UniProt Comments for S1PR3	S1PR3: 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. When expressed in rat HTC4 hepatoma cells, is capable of mediating S1P-induced cell proliferation and suppression of apoptosis. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 9q22.1-q22.2 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: integrin binding; G-protein coupled receptor activity; lipid binding Biological Process: G-protein coupled receptor protein signaling pathway; elevation of cytosolic calcium ion concentration; anatomical structure morphogenesis; regulation of interleukin-1 beta production; positive regulation of cell proliferation; cytokine production; G-protein signaling, adenylate cyclase inhibiting pathway; inflammatory response
Research Articles on S1PR3	**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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