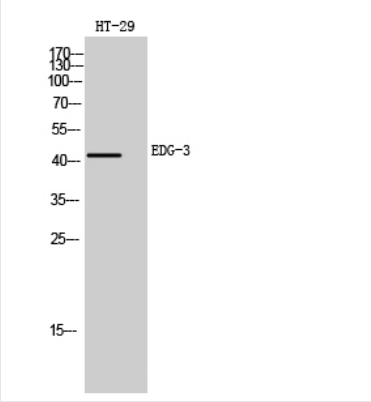
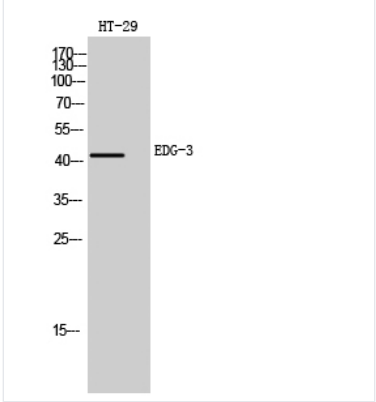
EDG-3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EDG-3, Polyclonal Antibody
Full Product Name	EDG-3 Polyclonal Antibody
Product Gene Name	anti-EDG-3 antibody
Product Synonym Gene Name	S1PR3
Product Synonym Names	S1PR3; EDG3; 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
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	42,250 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (91606324..91620070). Location: 9q22.1-q22.2
OMIM	601965
3D Structure	ModBase 3D Structure for Q99500
Applications Tested/Suitable for anti-EDG-3 antibody	Western Blot (WB), Immunofluorescence (IF)
Related Product Information for anti-EDG-3 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. When expressed in rat HTC4 hepatoma cells, is capable of mediating S1P-induced cell proliferation and suppression of apoptosis.
Other Notes	Small volumes of anti-EDG-3 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 EDG-3 purchase	MBS9243478 is an antibody targeting EDG-3. Also known as EDG-3 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Wester Blot (WB) of anti-EDG-3 antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.



Western Blot (WB) of anti-EDG-3 antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EDG-3. 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
Protein Family	Sphingosine 1-phosphate receptor
UniProt Gene Name	S1PR3
UniProt Synonym Gene Names	EDG3; S1P receptor 3; S1P3
UniProt Entry Name	S1PR3_HUMAN
NCBI Protein Information	sphingosine 1-phosphate receptor 3; S1P receptor 3; S1P receptor EDG3; S1P receptor Edg-3; sphingosine 1-phosphate receptor Edg-3; endothelial differentiation G-protein coupled receptor 3; G protein-coupled receptor, endothelial differentiation gene-3; en
NCBI Summary for EDG-3	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 EDG-3	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: Membrane protein, multi-pass; Membrane protein, integral; Receptor, GPCR; GPCR, family 1 Chromosomal Location of Human Ortholog: 9q22.1-q22.2 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; integrin binding; lipid binding Biological Process: G-protein coupled receptor protein signaling pathway; anatomical structure morphogenesis; elevation of cytosolic calcium ion concentration; 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 EDG-3	**1.** S1P3 receptors are detected in virtually all neurons in dorsal root ganglion and mediate pain behavior.

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.
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