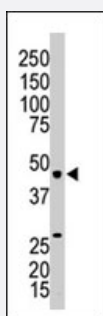


S1PR3 polyclonal antibody

Catalog # PAB4720

Size 400 uL

Applications



Western Blot (Tissue lysate)

The S1PR3 polyclonal antibody (Cat # PAB4720) is used in Western blot to detect S1PR3 in mouse kidney lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of S1PR3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human S1PR3.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The S1PR3 polyclonal antibody (Cat # PAB4720) is used in Western blot to detect S1PR3 in mouse kidney lysate.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — S1PR3

Entrez GeneID	1903
Protein Accession#	Q99500
Gene Name	S1PR3
Gene Alias	EDG-3, EDG3, FLJ37523, FLJ93220, LPB3, MGC71696, S1P3
Gene Description	sphingosine-1-phosphate receptor 3
Omim ID	601965
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	G protein-coupled receptor, endothelial differentiation gene-3 OTTHUMP00000021612 S1P receptor EDG3 endothelial differentiation, sphingolipid G-protein-coupled receptor, 3 sphingosine 1-phosphate receptor 3

Publication Reference

- [Induction of pro-angiogenic signaling by a synthetic peptide derived from the second intracellular loop of S1P3 \(EDG3\).](#)

Licht T, Tsurinikov L, Reuveni H, Yarnitzky T, Ben-Sasson SA.

Blood 2003 Sep; 102(6):2099.

Application: IF, WB, Human, HUVECs

- [Evidence for Edg-3 receptor-mediated activation of I\(K.ACh\) by sphingosine-1-phosphate in human atrial cardiomyocytes.](#)

Himmel HM, Meyer Zu Heringdorf D, Graf E, Dobrev D, Kortner A, Schuler S, Jakobs KH, Ravens U.

Molecular Pharmacology 2000 Aug; 58(2):449.

- [Sphingosine 1-phosphate-induced cell proliferation, survival, and related signaling events mediated by G protein-coupled receptors Edg3 and Edg5.](#)

An S, Zheng Y, Bleu T.

The Journal of Biological Chemistry 2000 Jan; 275(1):288.

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)