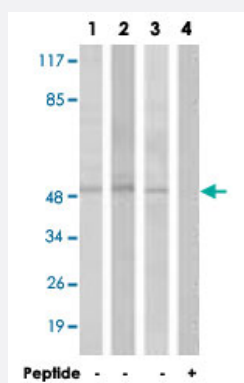


S1PR1 polyclonal antibody

Catalog # PAB18430 Size 100 ug

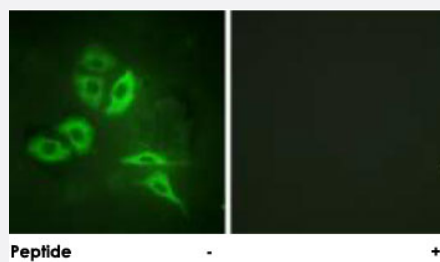
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HT-29 cells (Lane 1 and 4), LoVo cells (Lane 2) and A-549 cells (Lane 3), using S1PR1 polyclonal antibody (Cat # PAB18430).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of A-549 cells, using S1PR1 polyclonal antibody (Cat # PAB18430).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of S1PR1.
Immunogen	A synthetic peptide corresponding to residues surrounding T236 of human S1PR1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to S1PR1.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunofluorescence (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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 (Cell lysate)

Western blot analysis of extracts from HT-29 cells (Lane 1 and 4), LoVo cells (Lane 2) and A-549 cells (Lane 3), using S1PR1 polyclonal antibody (Cat # PAB18430).
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- Immunofluorescence

Immunofluorescence analysis of A-549 cells, using S1PR1 polyclonal antibody (Cat # PAB18430).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — S1PR1

Entrez GeneID	1901
Protein Accession#	P21453
Gene Name	S1PR1
Gene Alias	CHEDG1, D1S3362, ECGF1, EDG-1, EDG1, FLJ58121, S1P1
Gene Description	sphingosine-1-phosphate receptor 1
Omim ID	601974
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion. [provided by RefSeq]

Other Designations

G protein-coupled sphingolipid receptor|OTTHUMP00000012525|endothelial differentiation, sphingolipid G-protein-coupled receptor, 1|sphingosine 1-phosphate receptor EDG1

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Myocardial Infarction](#)
- [Stroke](#)