antibodies -online.com





anti-S1PR1 antibody (AA 51-150)

4 Images



Publication



Go to Product page

_					
	W	0	rv	10	W

Quantity:	100 μL
Target:	S1PR1
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This S1PR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human S1P1	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Predicted Reactivity:	Dog,Horse	
Purification:	Purified by Protein A.	

Target Details

Target: S1PR1

Target Details

Alternative Name:	S1P1 (S1PR1 Products)
Background:	Synonyms: EDG1, S1P1, CD363, ECGF1, EDG-1, CHEDG1, D1S3362, Sphingosine 1-phosphate
	receptor 1, S1P receptor 1, Endothelial differentiation G-protein coupled receptor 1, Sphingosine
	1-phosphate receptor Edg-1, S1P receptor Edg-1, S1PR1
	Background: G-protein coupled receptor for the bioactive lysosphingolipid sphingosine 1-
	phosphate (S1P) that seems to be coupled to the G(i) subclass of heteromeric G proteins.
	Signaling leads to the activation of RAC1, SRC, PTK2/FAK1 and MAP kinases. Plays an
	important role in cell migration, probably via its role in the reorganization of the actin
	cytoskeleton and the formation of lamellipodia in response to stimuli that increase the activity
	of the sphingosine kinase SPHK1. Required for normal chemotaxis toward sphingosine 1-
	phosphate. Required for normal embryonic heart development and normal cardiac
	morphogenesis. Plays an important role in the regulation of sprouting angiogenesis and
	vascular maturation. Inhibits sprouting angiogenesis to prevent excessive sprouting during
	blood vessel development. Required for normal egress of mature T-cells from the thymus into
	the blood stream and into peripheral lymphoid organs. Plays a role in the migration of
	osteoclast precursor cells, the regulation of bone mineralization and bone homeostasis (By
	similarity). Plays a role in responses to oxidized 1-palmitoyl-2-arachidonoyl-sn-glycero-3-
	phosphocholine by pulmonary endothelial cells and in the protection against ventilator-induced
	lung injury.
Gene ID:	1901
UniProt:	P21453
Pathways:	Signaling Events mediated by VEGFR1 and VEGFR2
Application Details	
Application Notes:	WB 1:300-5000
Application Notes.	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

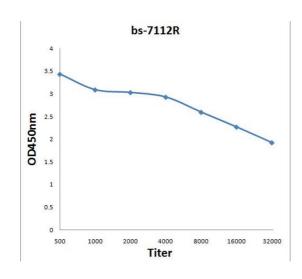
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

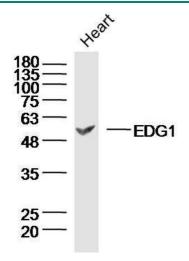
Xiao, Fu, Xu, Feng, Sun, Ye: "Fingolimod Suppresses a Cascade of Core Vicious Cycle in Dry Eye NOD Mouse Model: Involvement of Sphingosine-1-Phosphate Receptors in Infiltrating Leukocytes." in: **Investigative ophthalmology & visual science**, Vol. 58, Issue 14, pp. 6123-6132 , (2017) (PubMed).

Images



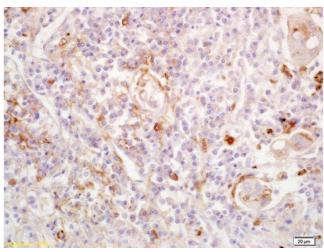
ELISA

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-EDG1/CD363/S1P1 Polyclonal Antibody, Unconjugated (ABIN872844) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Western Blotting

Image 2. Rat heart lysates probed with S1P1 Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 90 minutes at 37°C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-EDG1/CD363/S1P1 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Please check the product details page for more images. Overall 4 images are available for ABIN872844.