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anti-S1PR1 antibody (Extracellular, N-Term)





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Purification:

Quantity:	25 μL	
Target:	S1PR1	
Binding Specificity:	AA 17-30, Extracellular, N-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This S1PR1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Live Cell Imaging (LCI)	
Product Details		
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: SDYVNYDIIVRHYN(C), corresponding to amino acid residues 17-30 of human S1PR1	
Isotype:	IgG	
Characteristics:	Anti-S1PR1 (EDG1) (extracellular) Antibody (ABIN7043771, ABIN7045270 and ABIN7045271)) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot, immunohistochemistry, and immunocytochemistry applications. It has been designed to recognize S1PR1 from human, rat, and mouse samples.	

Affinity purified on immobilized antigen.

Target Details

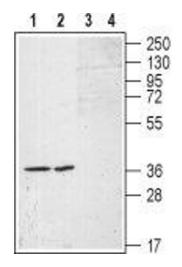
Target:	S1PR1	
Alternative Name:	S1PR1 (EDG1) (S1PR1 Products)	
Background:	Alternative names: S1PR1 (EDG1), Sphingosine 1-phosphate receptor 1, S1P1, Endothelial differentiation G-protein coupled receptor 1, CD363, CHEDG1	
Gene ID:	1901	
NCBI Accession:	NM_001400	
UniProt:	P21453	

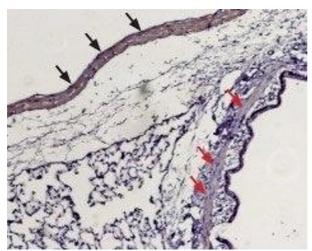
Application Details

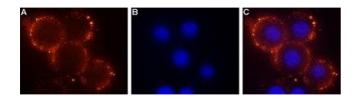
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ or $0.2~\text{mL}$ double distilled water (DDW), depending on the sample size.
Concentration:	0.75 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).







Western Blotting

Image 1. Western blot analysis of (RAEC) rat aortic endothelial cell line lysates (lanes 1 and 3) and A-10 Rat thoracic aorta smooth muscle (lane 2 and 4) cell lysates: -1,2. Anti-S1PR1 (EDG1) (extracellular) Antibody (ABIN7043771, ABIN7045270 and ABIN7045271), (1:200).3,4. Anti-S1PR1 (EDG1) (extracellular) Antibody, preincubated with S1PR1/EDG1 (extracellular) Blocking Peptide (#BLP-SR011).

Immunohistochemistry

Image 2. Expression of Sphingosine 1-phosphate receptor 1 in rat lung - Immunohistochemical staining of paraffin embedded rat lung sections using Anti-S1PR1 (EDG1) (extracellular) Antibody (ABIN7043771, ABIN7045270 and ABIN7045271), (1:100). Staining is present in vascular smooth muscle (black arrows) but not in the muscular layer of bronchi (red arrows). Hematoxilin is used as the counterstain.

Immunocytochemistry

Image 3. Expression of Sphingosine 1-phosphate receptor 1 in mouse 3T3 cells - Cell surface detection of Sphingosine 1-phosphate receptor 1 in mouse live 3T3 cells. A. Extracellular staining of cells using Anti-S1PR1 (EDG1) (extracellular) Antibody (ABIN7043771, ABIN7045270 and ABIN7045271), (1:50), (red). B. DAPI is used for nuclear staining (blue). Merged image of A and B.