

Anti-S1P1/EDG1 antibody ab77076

★★★★☆ [3 Abreviews](#) [6 References](#) [4 Images](#)

Overview

Product name	Anti-S1P1/EDG1 antibody
Description	Rabbit polyclonal to S1P1/EDG1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	mouse thymus tissue lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

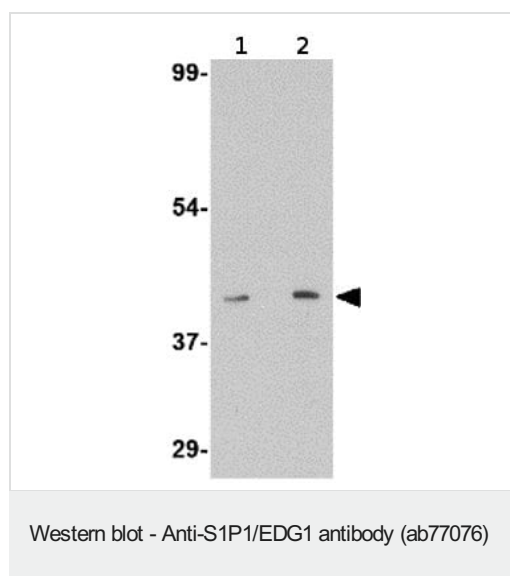
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab77076 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆ (1)	Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 42 kDa.
IHC-P	★★★★★ (2)	Use a concentration of 2.5 µg/ml.

Target

Function	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. This inducible epithelial cell G-protein-coupled receptor may be involved in the processes that regulate the differentiation of endothelial cells. Seems to be coupled to the G(i) subclass of heteromeric G proteins.
Tissue specificity	Endothelial cells, and to a lesser extent, in vascular smooth muscle cells, fibroblasts, melanocytes, and cells of epithelioid origin.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Post-translational modifications	S1P-induced endothelial cell migration requires the PKB/AKT1-mediated phosphorylation of the third intracellular loop at the Thr-236 residue.
Cellular localization	Cell membrane.

Images



Lane 1 : Anti-S1P1/EDG1 antibody (ab77076) at 1 µg/ml

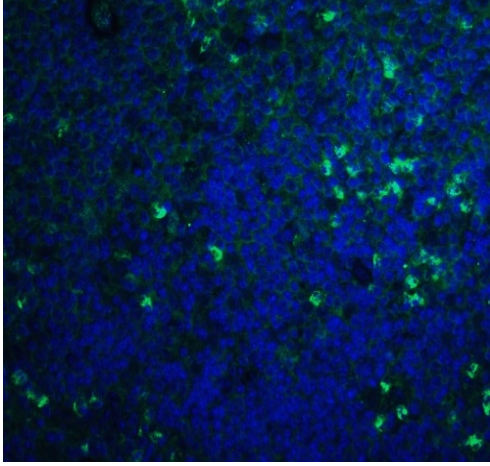
Lane 2 : Anti-S1P1/EDG1 antibody (ab77076) at 2 µg/ml

All lanes : mouse thymus tissue lysate

Lysates/proteins at 15 µg per lane.

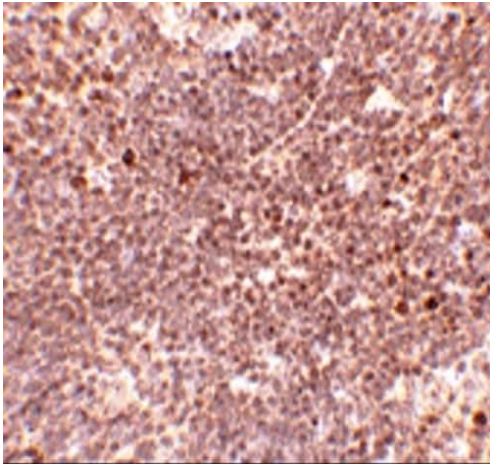
Predicted band size: 42 kDa

Observed band size: 42 kDa



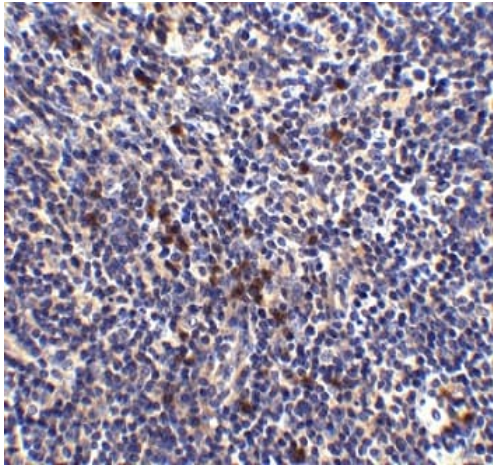
Immunofluorescence of S1P1/EDG1 in mouse thymus tissue with ab77076 at 20 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S1P1/EDG1 antibody (ab77076)



Immunohistochemistry of S1P1/EDG1 in mouse thymus tissue with ab77076 at 5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S1P1/EDG1 antibody (ab77076)



Immunohistochemistry of S1P1/EDG1 in mouse thymus tissue with ab77076 at 2.5 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-S1P1/EDG1 antibody (ab77076)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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