

S1PR2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18911b

Specification

S1PR2 Antibody (C-term) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW Antigen Region WB,E <u>O95136</u> <u>P47752</u>, <u>P52592</u>, <u>NP_004221.3</u> Human Mouse, Rat Rabbit Polyclonal Rabbit IgG 38867 272-298

S1PR2 Antibody (C-term) - Additional Information

Gene ID 9294

Other Names

Sphingosine 1-phosphate receptor 2, S1P receptor 2, S1P2, Endothelial differentiation G-protein coupled receptor 5, Sphingosine 1-phosphate receptor Edg-5, S1P receptor Edg-5, S1PR2, EDG5

Target/Specificity

This S1PR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 272-298 amino acids from the C-terminal region of human S1PR2.

Dilution WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

S1PR2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

S1PR2 Antibody (C-term) - Protein Information

Name S1PR2



Synonyms EDG5

Function Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P) (PubMed:<u>10617617</u>). S1P is a bioactive lysophospholipid that elicits diverse physiological effects on most types of cells and tissues (PubMed:<u>10617617</u>). When expressed in rat HTC4 hepatoma cells, is capable of mediating S1P-induced cell proliferation and suppression of apoptosis (PubMed:<u>10617617</u>). Receptor for the chemokine-like protein FAM19A5 (PubMed:<u>29453251</u>). Mediates the inhibitory effect of FAM19A5 on vascular smooth muscle cell proliferation and migration (By similarity).

Cellular Location

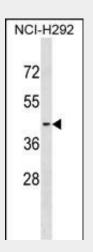
Cell membrane; Multi-pass membrane protein.

S1PR2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

S1PR2 Antibody (C-term) - Images



S1PR2 Antibody (C-term)(Cat. #AP18911b) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the S1PR2 antibody detected the S1PR2 protein (arrow).

S1PR2 Antibody (C-term) - Background

This gene encodes a member of the G protein-coupled receptors, as well as the EDG family of proteins. This protein participates in sphingosine 1-phosphate-induced cell proliferation, survival, and transcriptional activation

S1PR2 Antibody (C-term) - References

Oskeritzian, C.A., et al. J. Exp. Med. 207(3):465-474(2010)



McGeachie, M., et al. Circulation 120(24):2448-2454(2009) Cattoretti, G., et al. Cancer Res. 69(22):8686-8692(2009) Randriamboavonjy, V., et al. Basic Res. Cardiol. 104(3):333-340(2009) Li, M.H., et al. Mol. Cancer Res. 6(10):1649-1656(2008)