

S1PR2 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3296a**Specification**

S1PR2 Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	O95136
Other Accession	NP_004221.3 , 9294 , 14739 (mouse) , 29415 (rat)
Reactivity	Human, Mouse, Rat
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	38867

S1PR2 Antibody (internal region) - 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

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

S1PR2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

S1PR2 Antibody (internal region) - Protein Information**Name** S1PR2**Synonyms** EDG5

Function

Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P) (PubMed:10617617, PubMed:25274307). S1P is a bioactive lysophospholipid that elicits diverse physiological effects on most types of cells and tissues (PubMed:10617617). When expressed in rat HTC4 hepatoma cells, is capable of mediating S1P-induced cell proliferation and suppression of apoptosis (PubMed:10617617). Receptor for the chemokine-like protein FAM19A5 (PubMed:29453251). Mediates the inhibitory effect of FAM19A5 on vascular smooth muscle cell proliferation and migration (By similarity). In lymphoid follicles, couples the binding of S1P to the activation of GNA13 and downstream inhibition of AKT activation leading to suppression of germinal center (GC) B cell growth and migration outside the GC niche.

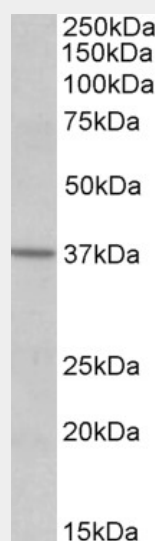
Cellular Location

Cell membrane; Multi-pass membrane protein

S1PR2 Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

S1PR2 Antibody (internal region) - Images

AF3296a (0.5 µg/ml) staining of Human Frontal Cortex lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

S1PR2 Antibody (internal region) - References

Integrative predictive model of coronary artery calcification in atherosclerosis. McGeachie M, Ramoni RL, Mychaleckyj JC, Furie KL, Dreyfuss JM, Liu Y, Herrington D, Guo X, Lima JA, Post W, Rotter JI, Rich S, Sale M, Ramoni MF, Circulation 2009 Dec 120 (24): 2448-54. PMID: 19948975