10320 Camino Santa Fe, Suite G
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Anti-S1PR3 Rabbit Monoclonal Antibody

Catalog # ABO15826

Specification

Anti-S1PR3 Rabbit Monoclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q99500
Host	**Rabbit**
Isotype	**IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-S1PR3 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Anti-S1PR3 Rabbit Monoclonal Antibody - Additional Information

Gene ID 1903

Other Names
Sphingosine 1-phosphate receptor 3, S1P receptor 3, S1P3, Endothelial differentiation G-protein coupled receptor 3, Sphingosine 1-phosphate receptor Edg-3, S1P receptor Edg-3, S1PR3 (HGNC:3167)

Calculated MW
42 kDa KDa

Application Details
WB 1:500-1:2000

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human S1PR3

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-S1PR3 Rabbit Monoclonal Antibody - Protein Information

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Name S1PR3 (HGNC:3167)

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. When expressed in rat HTC4 hepatoma cells, is capable of mediating S1P-induced cell proliferation and suppression of apoptosis.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Expressed in all tissues, but most abundantly in heart, placenta, kidney, and liver

Anti-S1PR3 Rabbit Monoclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-S1PR3 Rabbit Monoclonal Antibody - Images

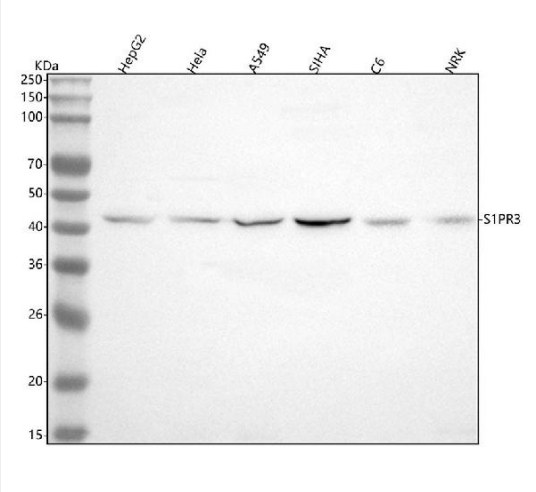

Figure 1. Western blot analysis of S1PR3 using anti-S1PR3 antibody (M03755).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HepG2 whole cell lysates,
Lane 2: human Hela whole cell lysates,
Lane 3: human A549 whole cell lysates,
Lane 4: human SiHa whole cell lysates,
Lane 5: rat C6 whole cell lysates,

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Lane 6: rat NRK whole cell lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-S1PR3 antigen affinity purified monoclonal antibody (Catalog # M03755) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for S1PR3 at approximately 42 kDa. The expected band size for S1PR3 is at 42 kDa.