

For Research Use Only

# S1PR1/EDG1 Polyclonal antibody

Catalog Number: 29318-1-AP

2 Publications



## Basic Information

Catalog Number:

29318-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28083

GenBank Accession Number:

BC018650

GeneID (NCBI):

1901

UNIPROT ID:

P21453

Full Name:

sphingosine-1-phosphate receptor 1

Calculated MW:

43 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, rat

Positive Controls:

WB : SH-SY5Y cells, mouse brain tissue, mouse lung tissue

## Background Information

S1PR1 (sphingosine-1-phosphate receptor 1), also known as S1P1 or EDG1, is one of five G-protein-coupled receptors for sphingosine-1-phosphate (S1P) (PMID: 18787560). S1P1 and its receptors have important regulatory functions in normal physiology and disease processes, particularly involving the immune, central nervous, and cardiovascular systems (PMID: 21339489). S1PR1 is widely expressed in various cell types, including endothelial cells and lymphocytes (PMID: 14737169). S1P-S1PR1 plays a major role in lymphocyte egress and chemotaxis, cell proliferation and survival, and tumor angiogenesis and metastasis (PMID: 21102457).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuqing Liu	39620014	Food Sci Nutr	WB
Yuefeng Zhang	36643043	J Clin Transl Hepatol	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

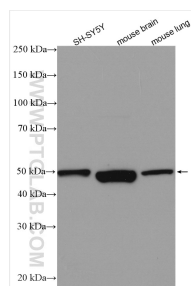
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29318-1-AP (S1PR1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.