

For Research Use Only

S1PR2 Polyclonal antibody

Catalog Number: 21180-1-AP

Featured Product

51 Publications



Basic Information

Catalog Number:

21180-1-AP

Concentration:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15470

GenBank Accession Number:

BC069598

GeneID (NCBI):

9294

UNIPROT ID:

O95136

Full Name:

sphingosine-1-phosphate receptor 2

Calculated MW:

353 aa, 39 kDa

Observed MW:

40-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF-P 1:200-1:800

IF-Fro 1:50-1:500

Applications

Tested Applications:

WB, IF-P, IF-Fro, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human

Cited Species:

human, mouse, rat

Positive Controls:

WB : HeLa cells, Daudi cells, HuH-7 cells, MCF-7 cells

IF-P : mouse brain tissue,

IF-Fro : mouse brain tissue,

Background Information

S1PR2 (sphingosine-1-phosphate receptor 2), also known as S1P2 or EDG5, is one of five G-protein-coupled receptors for sphingosine-1-phosphate (S1P), a biologically active metabolic product of sphingolipid (PMID: 18787560). S1P and its receptors have important regulatory functions in normal physiology and disease processes, particularly involving the immune, central nervous, and cardiovascular systems (PMID: 21339489). S1PR2 plays a role in acute vascular inflammation (PMID: 23723450). S1PR2 signaling is implicated in STAT3 activation (PMID: 22606352).

Notable Publications

Author	Pubmed ID	Journal	Application
Yonggui Song	33007392	J Ethnopharmacol	WB
Gennaro Bruno	31477835	Oncogene	WB
K Liu	31610097	Andrology	WB,IHC,IF

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

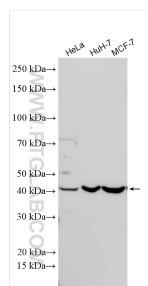
T: 4006900926

E: Proteintech-CN@ptglab.com

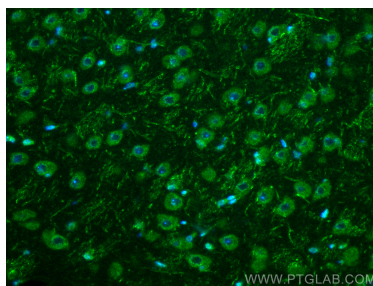
W: ptgcn.com

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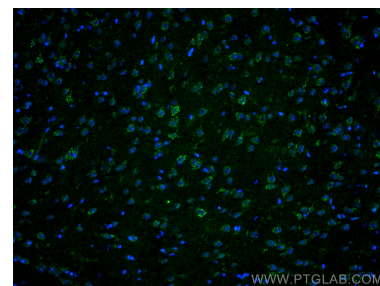
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21180-1-AP (S1PR2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using S1PR2 antibody (21180-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed frozen OCT-embedded mouse brain tissue using 21180-1-AP (S1PR2 antibody) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).