

Sphingosine 1-Phosphate Phosphatase 2. Rabbit Antigen Immunoaffinity Purified Polyclonal , Human

Sphingosine 1-Phosphate Phosphohydrolase

BACKGROUND

Sphingosine 1-phosphate (S1P) is a highly bioactive lipid that has a myriad of biological effects both intracellularly as a second messenger and extracellularly by binding to the S1P(1-5)/G-protein-coupled receptors of the endothelial differentiation gene family. Intracellularly, at least two enzymes, sphingosine kinase (1 and 2) and S1P phosphatase, regulate the activity of S1P by governing the phosphorylation of S1P. SPPase2 is localized to the endoplasmic reticulum. The enzymatic activity and localization of SPPase2 are similar to SPPase1. The tissue expression of SPPase2 was different from that of SPPase1. SPPase2 is an important member of the SPPase family which play a role in attenuating intracellular S1P signaling.

ORDERING INFORMATION

CATALOG NUMBER
X1637P

SIZE
10 Miniblots

FORM
Unconjugated

HOST/CLONE
Rabbit

FORMULATION
Provided as whole antiserum

CONCENTRATION
Whole serum

ISOTYPE
Not applicable

APPLICATIONS
Western Blot

IMMUNOGEN

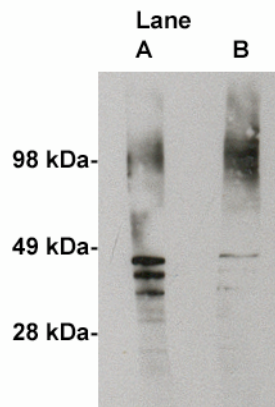
Synthetic peptide derived from the sphingosine 1-phosphate phosphatase 2 protein.

SPECIES REACTIVITY

Human

Legend:

Western blot analysis using S1P Phosphatase 2 antibody catalog X1637P (0.5ug/ml) on human kidney lysate (15 ug/ml). Lane A] antibody alone, Lane B] antibody plus 3 ug blocking peptide (cat X1637B). Visualized using Pierce West Femto substrate system. Secondary used at 1:75k dilution. Exposure for 60 seconds.



For research use only. Not for use in human diagnostics or therapeutics.

POSITIVE CONTROL/TISSUE EXPRESSION

Human brain lysate (Cat. No. X1633C)

COMMENTS

Antibody can be used for Western blotting (1:400 dilution). Tissue lysate should be used at 10-50 µg/lane. Other applications not yet tested. Optimal concentration should be evaluated by serial dilutions.

SHIP CONDITIONS

Ship on dry ice, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

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