

## Product datasheet for **AP05169PU-N**

### sphingosine 1 phosphate phosphatase 1 (SGPP1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1:200; Tissue lysate should be used at 10-50 µg/lane. Positive Control: Human brain lysate.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from the sphingosine 1-phosphate phosphatase 1 protein.
Specificity:	This antibody reacts to Sphingosine 1-Phosphate Phosphatase 1.
Formulation:	Phosphate buffered saline with 0.08% sodium azide State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	The antibody can be shipped on dry ice. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	sphingosine-1-phosphate phosphatase 1
Database Link:	<a href="#">Entrez Gene 81537 Human</a> <a href="#">Q9BX95</a>
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. Regulation of hS1Pase1 with the resultant changes in cellular and secreted S1P has important implications in cell proliferation, angiogenesis and apoptosis.



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**Synonyms:** Sphingosine-1-phosphatase 1, SPPase1

**Protein Families:** Druggable Genome, Phosphatase, Transmembrane

**Protein Pathways:** Sphingolipid metabolism