

## Anti-SGPL1(Sphingosine-1-phosphate lyase 1) Polyclonal Antibody

Cat. #: 60B897

### Description:

SGPL1(Sphingosine-1-phosphate lyase 1) cleaves phosphorylated sphingoid bases (PSBs), such as sphingosine-1-phosphate, into fatty aldehydes and phosphoethanolamine. SGPL1 elevates stress-induced ceramide production and apoptosis. SGPL1 is a Type III membrane protein and is localized in endoplasmic reticulum. Highest levels are found in liver, followed by kidney, lung, heart and brain. It belongs to the group II decarboxylase family and sphingosine-1-phosphate lyase subfamily.

### Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of mouse SGPL1(Sphingosine-1-phosphate lyase 1)

### References

Zhou,J. and Saba,J.D., Biochem. Biophys. Res. Commun. 242 (3), 502-507 (1998)  
Schwab,S.R., et al, Science 309 (5741), 1735-1739 (2005)  
Kariya,Y., et al, Genes Cells 10 (6), 605-615 (2005)  
Ikeda,M., et al, Biochem. Biophys. Res. Commun. 329 (2), 474-479 (2005)  
Watahiki,A., et al, Nat. Methods 1 (3), 233-239 (2004)  
Mendel,J., et al, J. Biol. Chem. 278 (25), 22341-22349 (2003)  
Kihara,A., et al, J. Biol. Chem. 278 (16), 14578-14585 (2003)

Species: mouse, rat

Storage and Stability: at -20oC

### Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

### Preparation:

Purified by antigen-specific affinity chromatography.

### Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)