



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Sphingosine Kinase 1, Mouse. Rabbit Antigen Immunoaffinity Purified Polyclonal

**BACKGROUND**

Activation of Sphingosine kinase (Sphk) increases the bioactive lipid, sphingosine 1-phosphate (S1P) and has been observed in a variety of cancer cells. Phosphorylation of sphingosine by sphingosine kinase (Sphk) is the rate-limiting step in the cellular synthesis of S1P. A principle activation event is the phosphorylation of serine 225 of sphingosine kinase 1. Inhibition of Sphk1 phosphorylation and hence, Sphk activity is an important target for the development of drugs for cancer, inflammation, cardioprotection as well as a many other indications.

**ORDERING INFORMATION**

**CATALOG NUMBER**

X1882P

**SIZE**

50 µg

**FORM**

Affinity Purified

**HOST/CLONE**

Rabbit

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

Lot specific, see vial

**ISOTYPE**

IgG

**APPLICATIONS**

Western Blot

**SPECIES REACTIVITY**

Q8C115

**ACCESSION NUMBER**

Q8C115, Mouse

**IMMUNOGEN**

A synthetic peptide incorporating the serine 225 phosphorylation site of mouse sphingosine kinase 1

**POSITIVE CONTROL/TISSUE EXPRESSION**

**COMMENTS**

Antibody can be used for Western blotting (1:400 starting dilution). Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Antigen Immunoaffinity Purification

**SHIP CONDITIONS**

Ship on gel ice, store at -20°C immediately 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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3. Olivera A, Kohama T, Edsall L, Nava V, Cu villier O, Poulton S, Spiegel S, Sphingosine kinase expression increases intracellular sphingosine-1-phosphate and promotes cell growth and survival. *J. Cell Biol.* 147 (1999) 545-558
4. Chun J, Goetzl EJ, Hla T, Igarashi Y, Lynch KR, Moolenaar W, Pyne S, Tigyi G, International union of pharmacology. XXXIV. Lysophospholipid receptor nomenclature. *Pharmacol. Rev.* 54 (2002) 265-269
5. Hla T, Signaling and biological actions of sphingosine 1-phosphate. *Pharmacol. Res.* 47 (2003) 401-407
6. Gregorius K, Mouritsen S, Elsner HI, Hydrocoating: a new method for coupling biomolecules to solid phases. *J. Immunol. Methods*, 181 (1995) 65-73
7. Zhang JH, Chung TDY, Oldenburg KR, A simple statistical parameter for use in evaluation and validation of high throughput screening assays. *J. Biomol. Screening*, 4 (1999) 67-73