

Sphingosine Kinase 1, Mouse. Rabbit Antigen Immunoaffinity Purified Polyclonal , Mouse

spk1, sphk1, sphingosine kinase 1

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

IMMUNOGEN

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

SPECIES REACTIVITY

Mouse

COMMENTS

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

STORAGE

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

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

POSITIVE CONTROL/TISSUE EXPRESSION

SHIP CONDITIONS

Ship on gel ice, store at -20°C immediately upon arrival

REFERENCES

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