

Sphingosine Kinase 1, Long Form, Rat Reactive. Rabbit Antigen Immunoaffinity Purified Polyclonal , Rat

BACKGROUND

Rat sphingosine kinase 1 catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (spp)(sphingosine + ATP = sphingosine 1-phosphate + ADP), a lipid mediator with both intra- and extracellular functions. also acts on d-erythro-sphingosine and to a lesser extent sphinganine, but not other lipids, such as d,l-threo-dihydrosphingosine, n,n-dimethylsphingosine, diacylglycerol, ceramide, or phosphatidylinositol. The long form of sphingosine kinase 1, an N-terminal extension, is responsible for FceRI-mediated calcium mobilization and may play a role in other ligand mediated signaling events.

ORDERING INFORMATION

CATALOG NUMBER
X1848P

SIZE
10 Miniblots

FORM
Unconjugated

HOST/CLONE
Rabbit

FORMULATION
Provided as ligand affinity purified antibody in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION
Lot specific, see vial

ISOTYPE
N/A

APPLICATIONS
Western Blot

IMMUNOGEN

Synthetic peptide derived from the rat sphingosine kinase 1, long form, protein.

SPECIES REACTIVITY

Rat

Legend:

Western blot of rat kidney lysate (10 ug/ lane), detection of endogenous Sphingosine kinase 1, long form using X1848P (1 ug/ml), HRP anti-rabbit was used at 1:75k, and developed with Pierce's Super Signal West Femto.



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POSITIVE CONTROL/TISSUE EXPRESSION

Antibody has been tested on rat kidney lysate.

COMMENTS

Antibody can be used for Western blotting (1-5 µg/ml). Optimal concentration should be evaluated by serial dilutions.

SHIP CONDITIONS

Ship on dry ice, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -70°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

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