

Sphingosine Kinase 2, Long Form, Human. Rabbit Antigen Immunoaffinity Purified Polyclonal , Human

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
X1880P

SIZE
10 Miniblots

FORM
Affinity Purified

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
IgG

APPLICATIONS
Western Blot, ELISA

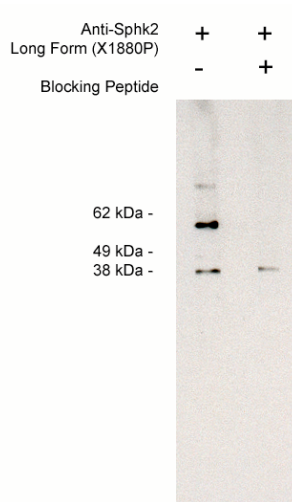
IMMUNOGEN

Synthetic peptide derived from the N-terminal extension of the Sphingosine Kinase 2-L protein.

SPECIES REACTIVITY

Human

Legend: Western blot of endogenous sphingosine kinase 2 LF detection in Jurkat cell lysate (4 ug/lane) using X1880P (1 ug/ml) developed using anti-rabbit HRp (1:75K) and Pierce Super Signal west Femto.



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POSITIVE CONTROL/TISSUE EXPRESSION

Jurkat lysate used as positive control.

COMMENTS

Antibody can be used for Western blotting (1-5 $\mu\text{g/ml}$). 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

1. Okada, T., et al. "Involvement of N-terminal-extended form of sphingosine kinase 2 in serum-dependent regulation of cell proliferation and apoptosis." J. Biol. Chem. 2005, 280, 36318-36325

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