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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Serine Palmitoyltransferase 1 Blocking Peptide

BACKGROUND

Sphingolipids play essential roles in various cellular events, including proliferation, differentiation, senescence, apoptosis, and inflammatory responses. Serine palmitoyltransferase (SPT) is the initial and rate-limiting enzyme in the de novo sphingolipid biosynthesis, and thus regulates the level of sphingolipids in cells. Immunohistochemical study revealed widespread distribution of the enzyme with most strong expression in brain and digestive tract. Two subunits, SPT1 and SPT2 at a stoichiometry of 1:1, are involved in the enzymatic activity of SPT.

ORDERING INFORMATION

CATALOG NUMBER

X2067B

SIZE

50 μ g

CUSTOMER STORAGE

Product should be stored at -20°C.
Aliquot to avoid freeze/thaw cycles

FORMULATION

Provided as solution in phosphate buffered saline

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STABILITY

Products are stable for one year from purchase when stored properly

COMMENTS

For use with serine palmitoyltransferase 1 polyclonal antibodies (Cat. No. X1862P & X2066P).

INSTRUCTIONS

Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37 deg C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

Example: 10 μ l or 10 μ g of Exalpha's rabbit anti-serine palmitoyltransferase 1 (Cat. No. X1862P) is added to 10 μ g of blocking peptide for a total volume of 20 μ l. The mixture is allowed to incubate for 20 minutes at 37 deg C prior to dilution in suitable buffer (for Western blot, etc.).