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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Spingomyelin Phosphodiesterase 3 Blocking Peptide

BACKGROUND

Spingomyelin phosphodiesterase 3 catalyzes the hydrolysis of sphingomyelin to form ceramide and phosphocholine. Ceramide mediates numerous cellular functions, such as apoptosis and growth arrest, and is capable of regulating these two cellular events independently. It also hydrolyzes sphingosylphosphocholine. Spingomyelin phosphodiesterase 3 regulates the cell cycle by acting as a growth suppressor in confluent cells. It likely acts as a regulator of postnatal development and participates in bone and dentin mineralization. It is activated by unsaturated fatty acids and phosphatidylserine. It is predominantly expressed in the brain.

ORDERING INFORMATION

CATALOG NUMBER

X2287B

SIZE50 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 Spingomyelin Phosphodiesterase 3 polyclonal antibodies (Cat. No. X2359P & X2360P).

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-Spingomyelin Phosphodiesterase 3 (Cat. No. X2360P) 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.).