



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Sphingomyelin synthase-related protein 1. Rabbit Polyclonal Antibody

Sphingomyelin synthase-related 1, Sterile alpha motif domain containing 8, SAMD8

BACKGROUND

Sphingomyelin (SM) is a major component of animal plasma membranes. Its production involves the transfer of phosphocholine from phosphatidylcholine and then onto ceramide. This also yields diacylglycerol as a side product. The reaction is catalysed by SM synthase, an important enzyme in the regulation of diacylglycerol and ceramide as anti- and proapoptotic stimuli. SM synthesis occurs in the lumen of the Golgi as well as on or at the cell surface. It is uncertain which SM enzyme forms are present at these different cellular locations. Human, mouse and *Caenorhabditis elegans* genomes each contain at least two different SM synthase (SMS) genes. Human SMS1 is localised to the Golgi, SMS2 resides primarily at the plasma membrane.

ORDERING INFORMATION

CATALOG NUMBER

X1704P

SIZE

100 µg

FORM

Unconjugated

HOST/CLONE

Rabbit

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

N/A

APPLICATIONS

Western Blot, ELISA

SPECIES REACTIVITY

Human

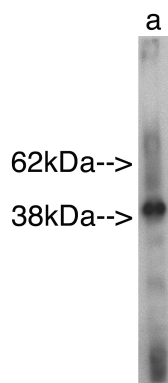
ACCESSION NUMBER

Human Q96LT4

IMMUNOGEN

Full-length recombinant sphingomyelin synthase r fusion protein

Western blot analysis using Sphingomyelin Synthase r (Cat. # X1704P) on recombinant protein Lane A] antibody alone. Anti Rabbit secondary used at 1:25K Exposure for 30 seconds



POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Antibody can be used for Western blotting (5-10 μ g/ml). Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Ammonium Sulfate Precipitation

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

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

REFERENCES

1. Huitema K, van den Dikkenberg J, Brouwers JF, Holthuis JC Identification of a family of animal sphingomyelin synthases. EMBO J. 2004 Jan 14;23(1):33-44. Epub 2003 Dec 18.

PRODUCT SPECIFIC REFERENCES