abcam

Product datasheet

# Anti-Spermine synthase antibody ab101458

1 Abreviews 1 Image

## Overview

| | |
|---|---|
| **Product name** | Anti-Spermine synthase antibody |
| **Description** | Rabbit polyclonal to Spermine synthase |
| **Host species** | Rabbit |
| **Tested applications** | **Suitable for:** WB |
| **Species reactivity** | **Reacts with:** Human<br>**Predicted to work with:** Mouse, Rat, Cow |
| **Immunogen** | Recombinant fragment corresponding to a region within amino acids 144-336 of Human Spermine synthase (AAH09898). |
| **Positive control** | 293T, A431 and Jurkat whole cell lysates; Raji cell lysate |
| **General notes** | The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.<br>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| **Storage buffer** | pH: 7.00<br>Preservative: 0.01% Thimerosal (merthiolate)<br>Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine) |
| **Purity** | Immunogen affinity purified |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab101458 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|---|
| **WB** | ★★★☆☆ (1) | 1/500 - 1/3000. Predicted molecular weight: 41 kDa. |

## Target

**Function** Required for normal viability, growth and fertility.

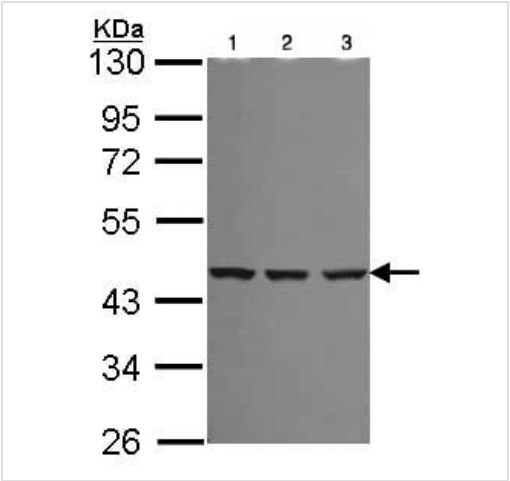
**Pathway** Amine and polyamine biosynthesis; spermine biosynthesis; spermine from spermidine: step 1/1.

**Involvement in disease** Defects in SMS are the cause of Snyder-Robinson syndrome (SRS) [MIM:309583]; also known as X-linked mental retardation Snyder-Robinson type. SRS is characterized by moderate intellectual deficit, hypotonia, an unsteady gait, osteoporosis, kyphoscoliosis and facial asymmetry. Transmission is X-linked recessive.

**Sequence similarities** Belongs to the spermidine/spermine synthase family.

**Domain** Composed of 3 domains: the N-terminal domain has structural similarity to S-adenosylmethionine decarboxylase, the central domain is made up of four beta strands and the C-terminal domain is similar in structure to spermidine synthase. The N- and C-terminal domains are both required for activity.

## Images




Western blot - Anti-Spermine synthase antibody (ab101458)

**All lanes :** Anti-Spermine synthase antibody (ab101458) at 1/1000 dilution

**Lane 1 :** 293T whole cell lysate
**Lane 2 :** A431 whole cell lysate
**Lane 3 :** Jurkat whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 41 kDa

10% SDS-PAGE



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