

**SMS Antibody**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5883A****Specification**

---

**SMS Antibody - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">P52788</a>
Other Accession	<a href="#">NP_004586.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41268

**SMS Antibody - Additional Information****Gene ID** 6611**Other Names**

Spermine synthase, SPMSY, Spermidine aminopropyltransferase, SMS

**Target/Specificity**

This SMS Antibody is generated from rabbits immunized with recombinant protein of human SMS.

**Dilution**WB~~1:1000  
IHC-P~~1:10~50  
FC~~1:10~50**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SMS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

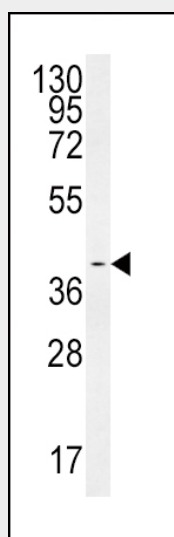
**SMS Antibody - Protein Information****Name** SMS {ECO:0000303|PubMed:14508504, ECO:0000312|HGNC:HGNC:11123}**Function** Catalyzes the production of spermine from spermidine and decarboxylated S-adenosylmethionine (dcSAM).

## SMS Antibody - Protocols

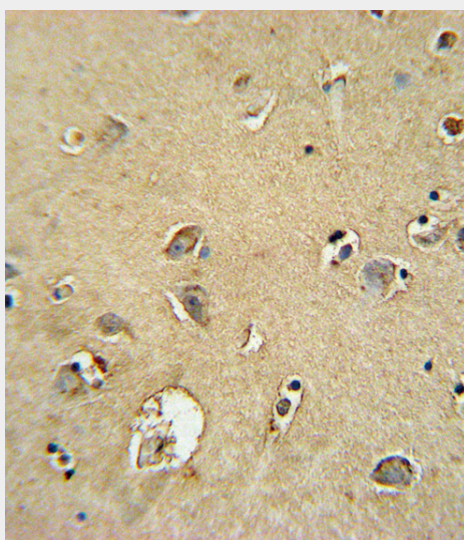
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## SMS Antibody - Images

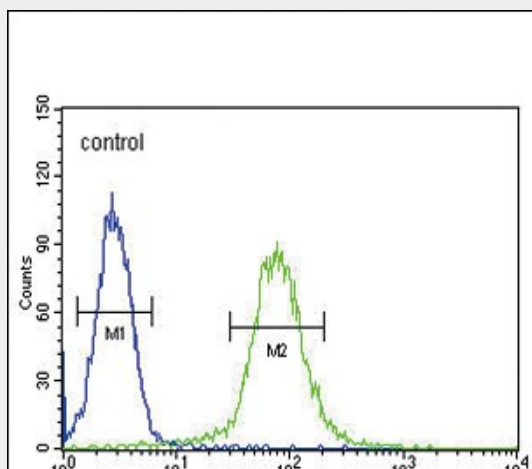


SMS Antibody (Cat. #AP5883a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the SMS antibody detected the SMS protein (arrow).



SMS Antibody (Cat. #AP5883a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and

DAB staining. This data demonstrates the use of the SMS Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



SMS Antibody (Cat. #AP5883a) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.