

Datasheet for ABIN654730
anti-SPACA1 antibody (N-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	SPACA1
Binding Specificity:	AA 46-74, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPACA1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This SACA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-74 amino acids from the N-terminal region of human SACA1.
Clone:	RB25586
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SPACA1
Alternative Name:	SACA1 (SPACA1 Products)

Target Details

Background: The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved diagnosis and treatment of immunologic infertility, as well as identification of proteins for targeted contraception, are dependent on the identification and characterization of relevant sperm antigens. The protein expressed by this gene is recognized by anti-sperm antibodies from infertile males. Furthermore, antibodies generated against the recombinant protein block in vitro fertilization. This protein localizes to the acrosomal membrane of spermatids and mature spermatozoa where it is thought to play a role in acrosomal morphogenesis and in sperm-egg binding and fusion, respectively.

Molecular Weight: 32143

Gene ID: 81833

NCBI Accession: [NP_112222](#)

UniProt: [Q9HBV2](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

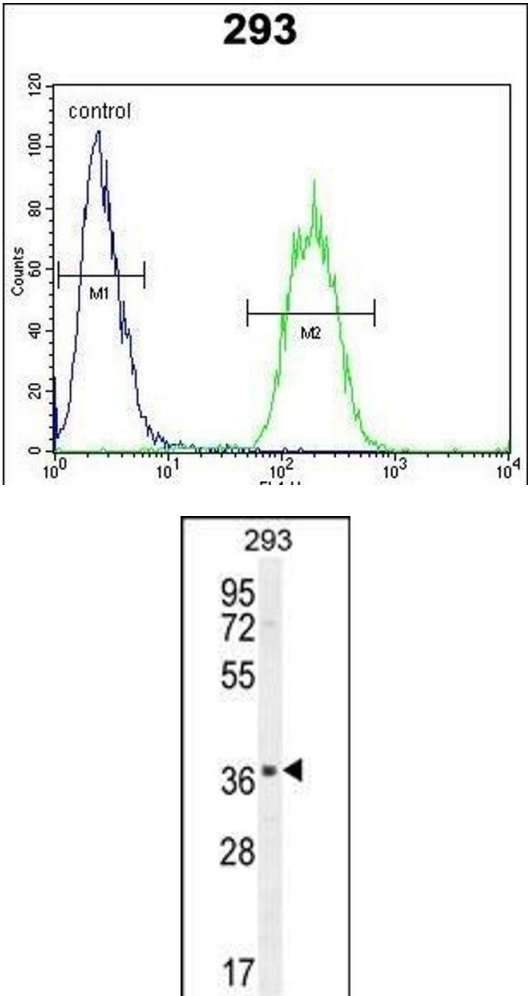
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

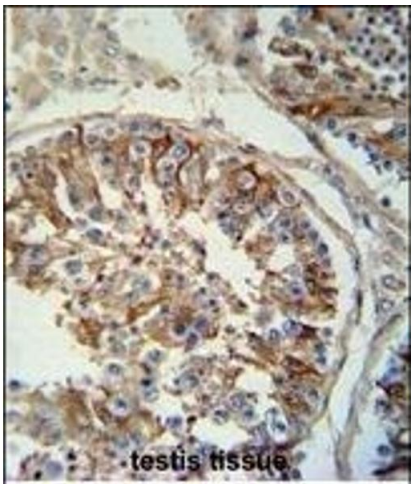


Flow Cytometry

Image 1. SACA1 Antibody (N-term) (ABIN654730 and ABIN2844418) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. SACA1 Antibody (N-term) (ABIN654730 and ABIN2844418) western blot analysis in 293 cell line lysates (35 μ g/lane). This demonstrates the SACA1 antibody detected the SACA1 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. SACA1 antibody (N-term) (ABIN654730 and ABIN2844418) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SACA1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.