

Datasheet for ABIN954901
anti-SPACA1 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	SPACA1
Binding Specificity:	AA 49-78, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 49-78 amino acids from the N-terminal region of Human SACA1 Gene name: SPACA1
Isotype:	Ig Fraction
Specificity:	Recognizes SACA1 (N-term).
Purification:	Protein A column followed by peptide Affinity purification

Target Details

Target:	SPACA1
Alternative Name:	SPACA1 / SAMP32 (SPACA1 Products)
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

Target Details

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. Synonyms: Sperm acrosomal membrane-associated protein 32, Sperm acrosome membrane-associated protein 1

Gene ID: 81833

NCBI Accession: [NP_112222](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium Azide as preservative

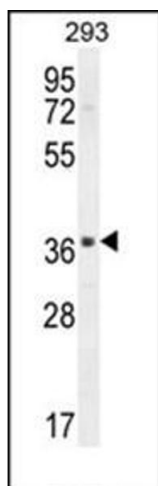
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

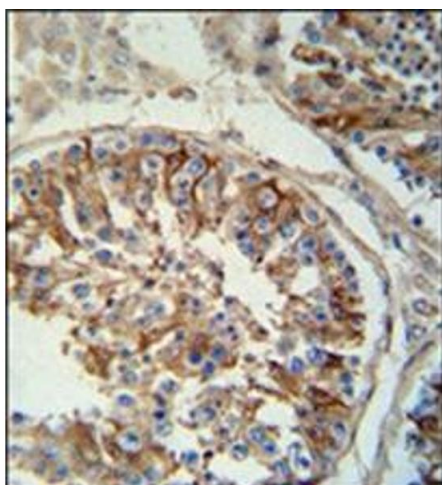
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis in 293 cell line lysates (35 ug/lane) using SACA1 Antibody (N-term) Cat.-No AP53788PU-N. This demonstrates the SACA1 antibody detected the SACA1 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in Formalin Fixed, Paraffin Embedded Human testis tissue stained with SACA1 antibody (N-term) Cat.-AP53788PU-N 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.