

Product datasheet for **AP53788PU-N**

SPACA1 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Peptide ELISA: 1/1000. Western blotting: 1/1000. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 46-74 amino acids from the N-terminal region of Human SACA1
Specificity:	Recognizes SACA1 (N-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide Affinity purification
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch
Gene Name:	sperm acrosome associated 1
Database Link:	Entrez Gene 81833 Human Q9HBV2



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Background:

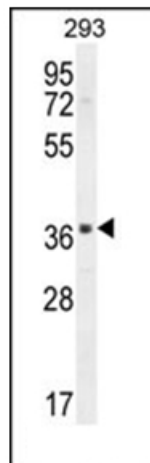
The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved diagnosis and treatment of immunologic infertility, as well as identification of proteins for targeted contraception, are dependent on the identification 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.

Synonyms:

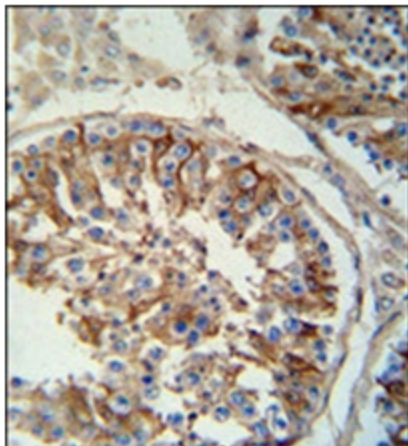
MGC32952; SAMP32

Note:**Molecular Weight:** 32143 Da**Protein Families:**

Transmembrane

Product images:

Western blot analysis in 293 cell line lysates (35 ug/lane) using SACA1 Antibody (N-term). This demonstrates the SACA1 antibody detected the SACA1 protein (arrow).



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