

Rabbit anti-Human SPAG1 Polyclonal Antibody | anti-SPAG1 antibody

SPAG1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284583	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

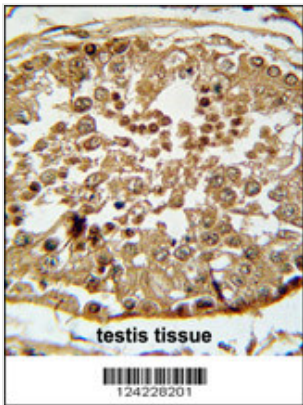
PRODUCT SYNONYMS

SPAG1; Polyclonal Antibody; SPAG1 Antibody (N-term); Sperm-associated antigen 1; HSD-38; Infertility-related sperm protein Spag-1; anti-SPAG1 antibody

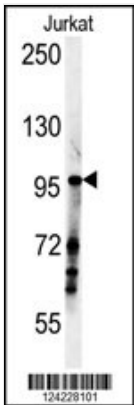
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SPAG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-152 amino acids from the N-terminal region of human SPAG1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	124-152
Sequence Length	926
Applicable Applications for anti-SPAG1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
SPAG1 Antibody (N-term) 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 SPAG1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SPAG1 Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the SPAG1 antibody detected the SPAG1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SPAG1 antibody	The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved identification 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 agglutinating antibodies from an infertile woman. Furthermore, immunization of female rats with the recombinant human protein reduced fertility. This protein localizes to the plasma membrane of germ cells in the testis and to the post-acrosomal plasma membrane of mature spermatozoa. Recombinant polypeptide binds GTP and exhibits GTPase activity. Thus, this protein may regulate GTP signal transduction pathways involved in spermatogenesis and fertilization. Two transcript variants of this gene encode the same protein. [provided by RefSeq].
Product Categories/Family for anti-SPAG1 antibody	Developmental Biology
References	Lin, W., et al. Mol. Hum. Reprod. 7(9):811-818(2001) Diekman, A.B., et al. Am. J. Reprod. Immunol. 37(1):111-117(1997) Zhang, M.L., et al. Chin. Med. J. 105(12):998-1003(1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	27262636
NCBI GeneID	6674
NCBI Accession #	NP_003105.2; NP_757367.1
NCBI GenBank Nucleotide #	NM_003114.4
UniProt Accession #	Q07617; Q7Z5G1; A6NP70; B3KQ58; G3XAM3
Molecular Weight	103639
NCBI Official Full Name	sperm-associated antigen 1
NCBI Official Synonym Full Names	sperm associated antigen 1

NCBI Official Symbol	SPAG1
NCBI Official Synonym Symbols	SP75; TPIS; CT140; CILD28; HSD-3.8
NCBI Protein Information	sperm-associated antigen 1
UniProt Protein Name	Sperm-associated antigen 1
UniProt Gene Name	SPAG1
UniProt Entry Name	SPAG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/spag1-antibody-immunohistochemistry-western-blot-elisa/284583>