

Rabbit SPAG1 Polyclonal Antibody | anti-SPAG1 antibody

SPAG1 Polyclonal Antibody

CATALOG # AAA168246	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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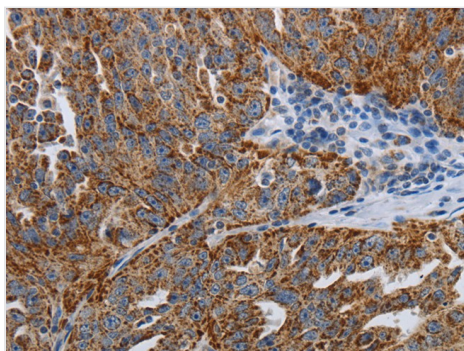
PRODUCT SYNONYMS

SPAG1; Polyclonal Antibody; SPAG1 Polyclonal Antibody; SP75; TPIS; HSD-3.8; anti-SPAG1 antibody

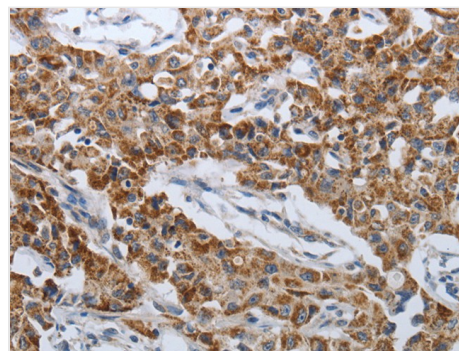
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	0.9mg/mL (varies by lot)
Sequence Length	926
Applicable Applications for anti-SPAG1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide of human SPAG1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using SPAG1 Polyclonal Antibody at dilution 1:25


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer tissue using SPAG1 Polyclonal Antibody at dilution 1:25

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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27262638
NCBI GeneID	6674
NCBI Accession #	NP_757367.1
NCBI GenBank Nucleotide #	NM_172218.2
Molecular Weight	48,031 Da
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; TPR-containing protein involved in spermatogenesis; infertility-related sperm protein Spag-1; tetratricopeptide repeat-containing protein
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.