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anti-SPAG1 antibody (N-Term)

Images

Overview

Target:

Alternative Name:

Background:

SPAG1

SPAG1 (SPAG1 Products)



Quantity: Target:	400 μL
Target:	
9	SPAG1
Binding Specificity:	AA 124-152, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPAG1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	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.
Clone:	RB24228
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	

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 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].

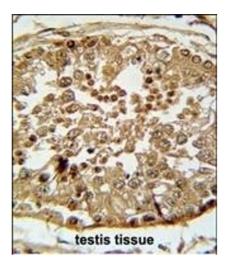
Molecular Weight:	103639
Gene ID:	6674
NCBI Accession:	NP_003105, NP_757367
UniProt:	007617

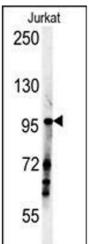
Application Details

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





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. SG1 Antibody (N-term) (ABIN651886 and ABIN2840439) immunohistochemistry analysis in formalin fixed and raffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SG1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. SG1 Antibody (N-term) (ABIN651886 and ABIN2840439) western blot analysis in Jurkat cell line lysates (35 µg/lane). This demonstrates the SG1 antibody detected the SG1 protein (arrow).