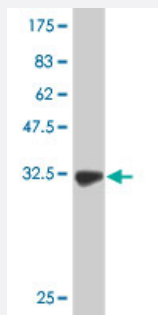


SPAG1 polyclonal antibody (A01)

Catalog # H00006674-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.1 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant SPAG1.
Immunogen	SPAG1 (NP_003105, 175 a.a. ~ 283 a.a) partial recombinant protein with GST tag.
Sequence	EDYKEKTVIDKSHLSKIETRIDTAGLTEKEKDFLATREKEKGNEAFNSGDYEEAVMYYTRSISALPT VVAYNRAQAEIKLQNWNSAFQDCEKVLLEPGNVKALLRRA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (85)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.1 kDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SPAG1

Entrez GeneID [6674](#)

GeneBank Accession# [NM_003114](#)

Protein Accession# [NP_003105](#)

Gene Name SPAG1

Gene Alias FLJ32920, HSD-3.8, SP75, TPIS

Gene Description sperm associated antigen 1

Omim ID [603395](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations

TPR-containing protein involved in spermatogenesis|infertility-related sperm protein|tetratricopeptide repeat-containing protein