

SPAG1

Reactivity:Human

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:25 - 1:100

Calculated MW:104kDa

Observed MW:Refer to figures

Immunogen:

A synthetic peptide of human SPAG1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

SP75; TPIS; CT140; CILD28; HSD-3.8;

Catalog #:A3087

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:6674

Isotype:IgG

Swiss Prot:Q07617

Purity:Affinity purification

For research use only.

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 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.

To place an order, please [Click HERE](#).