

SPAG8 Rabbit Polyclonal Antibody

Catalog No: #55578

Package Size: #55578-1 50ul #55578-2 100ul

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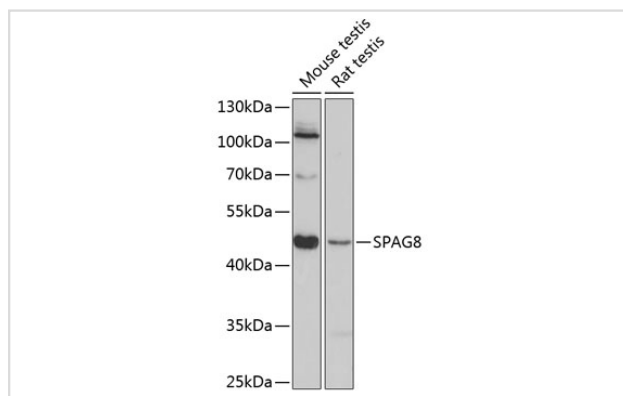
Description

Product Name	SPAG8 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Mouse,Rat
Immunogen Description	Recombinant fusion protein of human SPAG8 (NP_758516.1).
Conjugates	Unconjugated
Other Names	SPAG8;BS-84;CILD28;CT142;HSD-1;SMP1;SPAG3;hSMP-1
Accession No.	Swiss Prot:Q99932GeneID:26206
Calculated MW	44kDa/51kDa/53kDa
SDS-PAGE MW	45kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB 1:500 - 1:2000 IHC 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using SPAG8 at 1:3000 dilution.

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 encoded by this gene is recognized by sperm agglutinating antibodies from an infertile woman. This protein is localized in germ cells of the testis at all stages of spermatogenesis and is localized to the acrosomal region of mature

spermatozoa. This protein interacts with ACT (activator of CREM in testis) and may play a role in CREM (cAMP response element modulator)-ACT-mediated gene transcription during spermatogenesis. This protein may also play a role in spermatogenesis by regulating microtubule formation and cell division. Alternatively spliced variants that encode different protein isoforms have been described but the full-length sequences of only two have been determined.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.