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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP55622_P050-Biotin
Product Page	www.avivasysbio.com/spag8-antibody-middle-region-biotin-arp55622-p050-biotin.html
Name	SPAG8 Antibody - middle region : Biotin (ARP55622_P050-Biotin)
Protein Size (# AA)	501 amino acids
Molecular Weight	53kDa
Conjugation	Biotin
NCBI Gene Id	26206
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Sperm associated antigen 8
Alias Symbols	SMP1, BS-84, CT142, HSD-1, SPAG3, CILD28, hSMP-1
Peptide Sequence	Synthetic peptide located within the following region: PAPTKPHDYRQEQPETFWIQRAPQLPTWWPLPTQVPAEDYLTWKEWGFT
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Cheng,G.Y., (2007) Asian J. Androl. 9 (1), 23-29
Description of Target	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. SPAG8 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. 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. Alternatively spliced variants that encode different protein isoforms have been described but the full-length sequences of only two have been determined.
Protein Interactions	KLHL32; DTX2; SNRPC; CSTF2; PITX1; JMJD4; WHSC1L1; KDM3B; CARM1; PRMT5; PRMT1; PRMT2; RANBP9; UBQLN4; NEDD4L; RAN;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-SPAG8 (ARP55622_P050-Biotin) antibody
Blocking Peptide	For anti-SPAG8 (ARP55622_P050-Biotin) antibody is Catalog # AAP55622 (Previous Catalog # AAPP34247)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SPAG8
Uniprot ID	Q99932-2
Protein Name	Sperm-associated antigen 8
Protein Accession #	NP_758516
Purification	Affinity Purified
Nucleotide Accession #	NM_172312
Gene Symbol	SPAG8

Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Pig, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 79%; Dog: 93%; Human: 100%; Mouse: 100%; Pig: 86%; Rabbit: 93%; Rat: 100%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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