

Rabbit SPAG6 Polyclonal Antibody | anti-SPAG6 antibody

SPAG6 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200322	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish	Western Blot

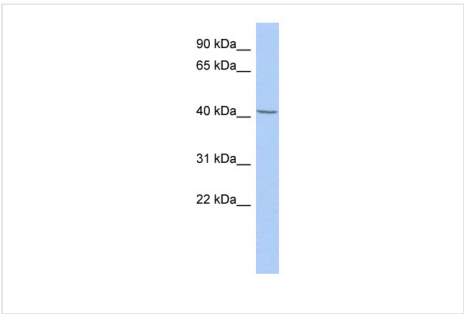
PRODUCT SYNONYMS

SPAG6; Polyclonal Antibody; SPAG6 antibody - middle region; anti-SPAG6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following sequence: HV VGQFSKVLPH DSKARRLFVT SGGLKKVQEIKAEPGSLLQE YINSINSC
Sequence Length	509
Applicable Applications for anti-SPAG6 antibody	WB (Western Blot)
Predicted Homology	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SPAG6
Protein Size (# AA)	509 amino acids
Protein Interactions	APP; SPAG16
Preparation and Storage	For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
WB Suggested Anti-SPAG6 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:1562500Positive
Control: HT1080 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-SPAG6 antibody	Target Description: SPAG6 is important for structural integrity of the central apparatus in the sperm tail and for flagellar motility.The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved identification 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 antibodies from an infertile man. This protein localizes to the tail of permeabilized human sperm and contains eight contiguous armadillo repeats, a motif known to mediate protein-protein interactions. Studies in mice suggest that this protein is involved in sperm flagellar motility and maintenance of the structural integrity of mature sperm. Alternatively spliced variants that encode different protein isoforms have been described but the full-length sequences of only two have been determined.
Product Categories/Family for anti-SPAG6 antibody	Polyclonal; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912678
NCBI GeneID	9576
NCBI Accession #	NP_036575
NCBI GenBank Nucleotide #	NM_012443
UniProt Accession #	O75602
Molecular Weight	56kDa
NCBI Official Full Name	sperm-associated antigen 6 isoform 1
NCBI Official Synonym Full Names	sperm associated antigen 6
NCBI Official Symbol	SPAG6
NCBI Official Synonym Symbols	pf16; CT141; Repro-SA-1
NCBI Protein Information	sperm-associated antigen 6
UniProt Protein Name	Sperm-associated antigen 6
UniProt Gene Name	SPAG6
UniProt Synonym Gene Names	PF16
UniProt Entry Name	SPAG6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/spag6-antibody-western-blot-elisa/200322>