

Datasheet for ABIN6133998  
**anti-SPAG6 antibody (AA 180-290)**



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## Overview

|                      |                                      |
|----------------------|--------------------------------------|
| Quantity:            | 100 µL                               |
| Target:              | SPAG6                                |
| Binding Specificity: | AA 180-290                           |
| Reactivity:          | Human                                |
| Host:                | Rabbit                               |
| Clonality:           | Polyclonal                           |
| Conjugate:           | This SPAG6 antibody is un-conjugated |
| Application:         | Western Blotting (WB)                |

## Product Details

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 180-290 of human SPAG6 (NP_758442.1).           |
| Sequence:         | EIALKRIAAS ALSDIAKHSP ELAQTVVDAG AVAHLAQMIL NPDAKLKHQI LSALSQVSKH<br>SVDLAEMVVE AEIFPVVLTG LKDKDEYVKK NASTLIREIA KHTPELSQLV V |
| Isotype:          | IgG                                                                                                                           |
| Cross-Reactivity: | Human                                                                                                                         |
| Characteristics:  | Polyclonal Antibodies                                                                                                         |

## Target Details

|         |       |
|---------|-------|
| Target: | SPAG6 |
|---------|-------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Alternative Name: | SPAG6 ( <a href="#">SPAG6 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Background:       | <p>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 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. Several transcript variants encoding different isoforms have been found for this gene.,SPAG6,CT141,Repro-SA-1,pf16,Signal Transduction,Cell Biology &amp; Developmental Biology,Cytoskeleton,Microtubules,Stem Cells,Germline Stem Cells,SPAG6</p> |
| Molecular Weight: | 30 kDa/49 kDa/52 kDa/55 kDa/63 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene ID:          | 9576                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt:          | <a href="#">O75602</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB,1:500 - 1:1000     |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.                                                                    |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.                                                                            |