

## Product datasheet for **TA350813**

### SPAG6 Rabbit Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | WB   |
| Recommended Dilution:   | WB: 200-1000<br>WB positive control: Human testis tissue   |
| Reactivity:             | Human, Mouse   |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | Synthetic peptide of human SPAG6   |
| Formulation:            | pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol   |
| Concentration:          | lot specific   |
| Purification:           | Antigen affinity purification  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 55 kDa   |
| Gene Name:              | sperm associated antigen 6   |
| Database Link:          | <a href="#">NP_758442</a><br><a href="#">Entrez Gene 50525 Mouse</a> <a href="#">Entrez Gene 381350 Mouse</a> <a href="#">Entrez Gene 9576 Human</a><br><a href="#">O75602</a> |



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**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 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.

**Synonyms:**

CT141; pf16; Repro-SA-1

**Product images:**

Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane: Human testis tissue  
Primary antibody: TA350813 (SPAG6 Antibody) at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 10 minutes