

## Product datasheet for **TA366474**

### SPACA1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1000-5000 WB positive control: 293T cell lysate
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human SPACA1
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.
Stability:	1 year
Predicted Protein Size:	32 kDa
Gene Name:	sperm acrosome associated 1
Database Link:	<a href="#">Entrez Gene 81833 Human Q9HBV2</a>

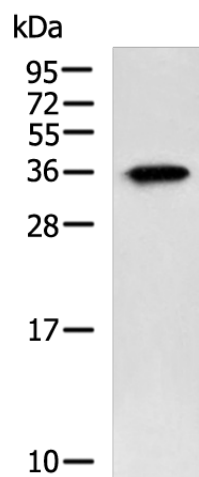
**Background:** The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved diagnosis and treatment of immunologic infertility, as well as identification of proteins for targeted contraception, are dependent on the identification and characterization of relevant sperm antigens. The protein expressed by this gene is recognized by anti-sperm antibodies from infertile males. Furthermore, antibodies generated against the recombinant protein block in vitro fertilization. This protein localizes to the acrosomal membrane of spermatids and mature spermatozoa where it is thought to play a role in acrosomal morphogenesis and in sperm-egg binding and fusion, respectively.



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Synonyms: MGC32952; SAMP32

### Product images:



Gel: 12%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: 293T cell lysate  
Primary antibody: TA366474 (SPACA1 Antibody)  
at dilution 1/1000  
Secondary antibody: Goat anti rabbit IgG at  
1/5000 dilution  
Exposure time: 1 minute