

**SPATA4 Antibody**  
**Catalog # ASC11395****Specification**

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**SPATA4 Antibody - Product Information**

Application	WB, IHC-P, IF, E
Primary Accession	<a href="#">Q8NEY3</a>
Other Accession	<a href="#">NP_653245</a> , <a href="#">31543825</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	SPATA4 antibody can be used for detection of SPATA4 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

**SPATA4 Antibody - Additional Information**Gene ID **132851****Target/Specificity**

SPATA4; At least two isoforms of SPATA4 are known to exist; this antibody will detect both isoforms. SPATA4 antibody is predicted to not cross-react with SPATA protein family members

**Reconstitution & Storage**

SPATA4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

SPATA4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**SPATA4 Antibody - Protein Information****Name** SPATA4**Synonyms** TSARG2**Function**

May play a role in apoptosis regulation.

**Cellular Location**

Nucleus.

**Tissue Location**

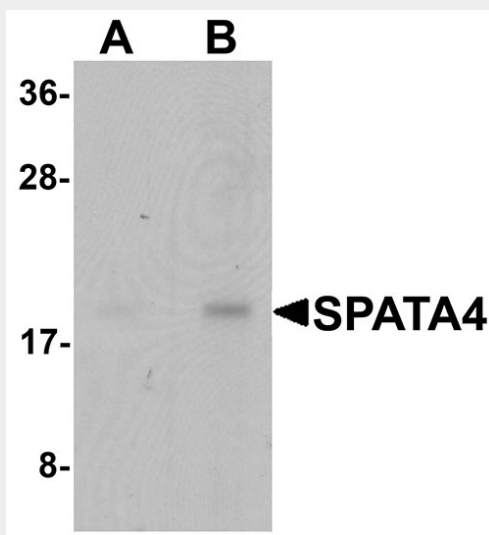
Highly expressed in testis, the expression is observed precisely in seminiferous tubules

## SPATA4 Antibody - Protocols

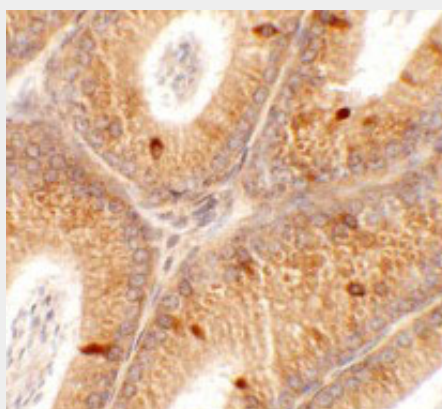
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

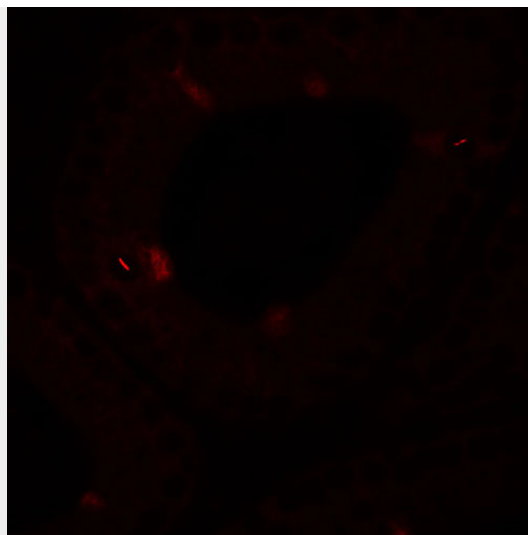
## SPATA4 Antibody - Images



Western blot analysis of SPATA4 in mouse stomach tissue lysate with SPATA4 antibody at (A) 1 and (B) 2  $\mu$ g/mL.



Immunohistochemistry of SPATA4 in mouse testis tissue with SPATA4 antibody at 2.5  $\mu$ g/mL.



Immunofluorescence of SPATA4 in mouse testis tissue with SPATA4 antibody at 20  $\mu$ g/mL.

#### **SPATA4 Antibody - Background**

**SPATA4 Antibody:** The spermatogenesis associated protein 4 (SPATA4) protein, also known as TSARG1, is highly expressed in testis, and to a much lower extent in other tissues. SPATA4 contains a highly conserved DUF1042 domain, but no significant homology with any other known protein. SPATA4 is thought to play an important role in the development of cryptorchid testis and is a testis-specific apoptosis candidate oncogene.

#### **SPATA4 Antibody - References**

Liu SF, Lu GX, Liu G, et al. Cloning of a full-length cDNA of human testis-specific spermatogenic cell apoptosis inhibitor TSARG2 as a candidate oncogene. *Biochem. Biophys. Res. Commun.* 2004; 319:32-40  
Liu SF, Ai C, Ge ZQ, et al. Molecular cloning and bioinformatic analysis of SPATA4 gene. *J. Biochem. Mol. Biol.* 2005; 38:739-47.