

**TSARG2/SPATA4 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54449**

**Specification**

**TSARG2/SPATA4 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q8NEY3</a>
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TSARG2
Epitope Specificity	101-200/305
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

The testis spermatocyte apoptosis-related gene 2 protein (TSARG2, also designated spermatogenesis associated-4 or SPATA4) is involved in spermatogenesis. TSARG2 is specifically expressed in spermatogonia and spermatocytes of the seminiferous tubules, and it localizes to the nucleus. The predicted molecular weight of TSARG2 ranges depending on the species. TSARG2 is significantly upregulated in cryptorchidism and therefore, is a testis-specific apoptosis candidate oncogene.

**TSARG2/SPATA4 Polyclonal Antibody - Additional Information**

**Gene ID** 132851

**Other Names**

Spermatogenesis-associated protein 4, Testis and spermatogenesis cell-related protein 2, Testis spermatocyte apoptosis-related gene 2 protein, SPATA4, TSARG2

**Target/Specificity**

Widely expressed.

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \>

\><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**TSARG2/SPATA4 Polyclonal Antibody - Protein Information**

**Name** SPATA4

**Synonyms** TSARG2

**Function**

May play a role in apoptosis regulation.

**Cellular Location**

Nucleus.

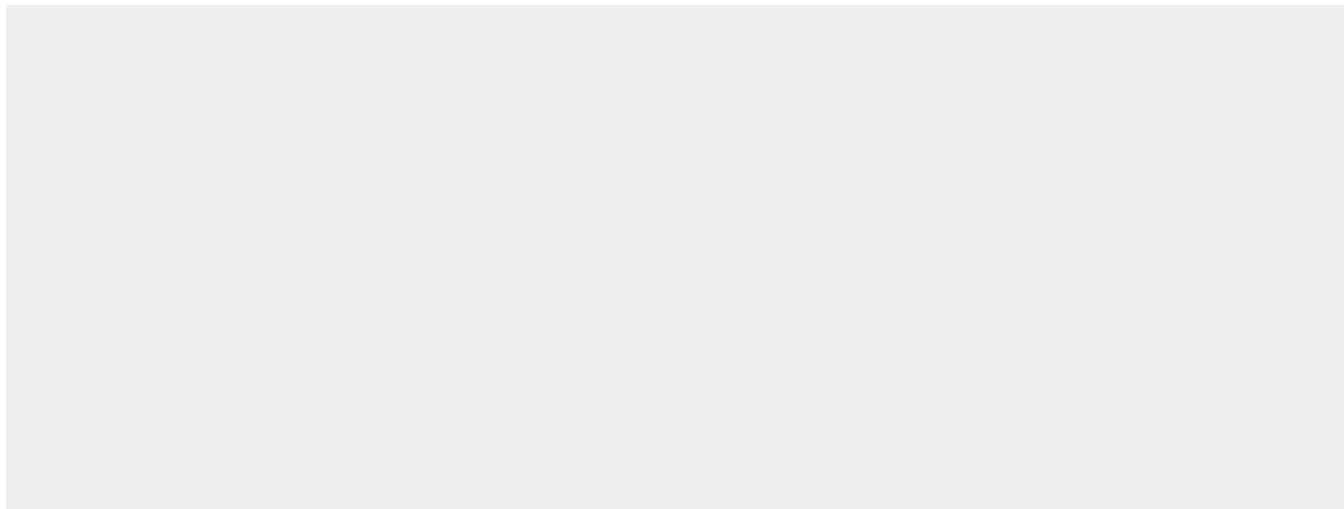
**Tissue Location**

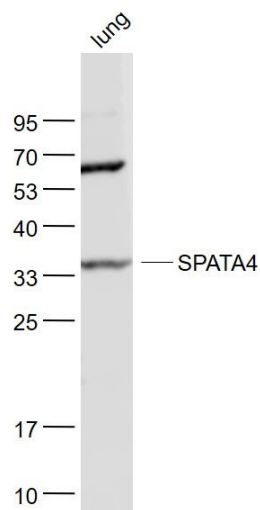
Highly expressed in testis, the expression is observed precisely in seminiferous tubules

**TSARG2/SPATA4 Polyclonal 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](#)

**TSARG2/SPATA4 Polyclonal Antibody - Images**



**Sample:**

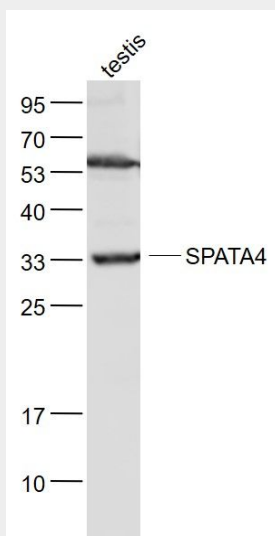
Lung (Mouse) Lysate at 40 ug

Primary: Anti- TSARG2/SPATA4 (bs-11309R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 35 kD

Observed band size: 35 kD



**Sample:**

Testis (Mouse) Lysate at 40 ug

Primary: Anti- TSARG2/SPATA4 (bs-11309R) at 1/1000 dilution

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