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SPATA4 Antibody
Catalog # ASC11395

Specification

SPATA4 Antibody - Product Information

Application	**WB, IHC, IF**
Primary Accession	Q8NEY3
Other Accession	NP_653245, 31543825
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℃ for three months and -20℃, 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

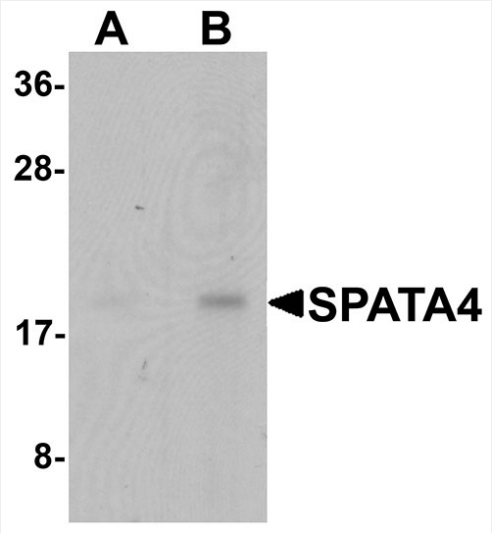
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SPATA4 Antibody - Protocols

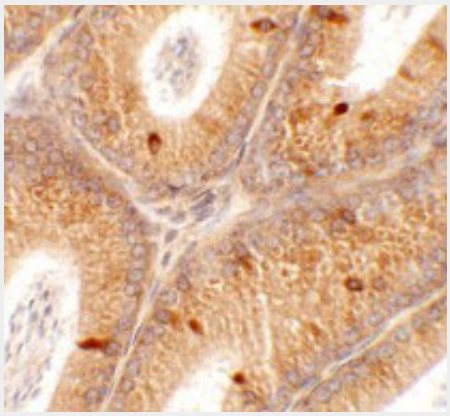
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SPATA4 Antibody - Images

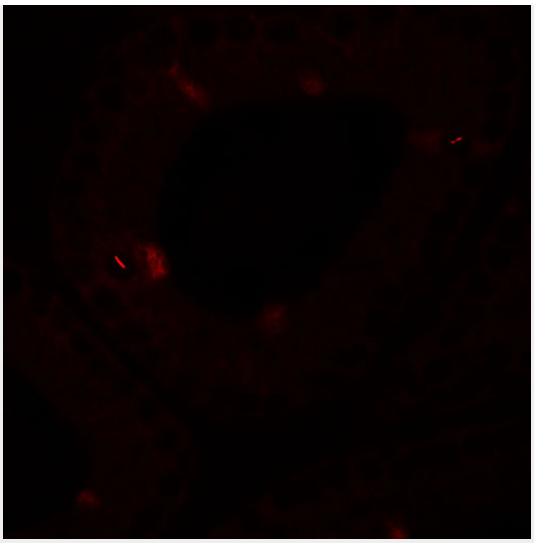


Western blot analysis of SPATA4 in mouse stomach tissue lysate with SPATA4 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of SPATA4 in mouse testis tissue with SPATA4 antibody at 2.5 µg/mL.

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Immunofluorescence of SPATA4 in mouse testis tissue with SPATA4 antibody at 20 µg/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.