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SPATA4 Antibody

Catalog # ASC11395

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q8NEY3
Other Accession	NP_653245, 31543825
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	34751
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	SPATA4 antibody can be used for detection of SPATA4 by Western blot at 1 - 2 g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 g/mL. For immunofluorescence start at 20 g/mL.

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	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.

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

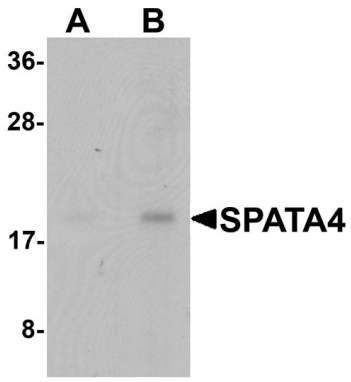
Background

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.

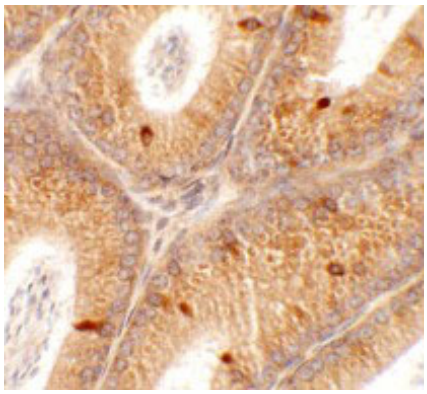
References

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.

Images

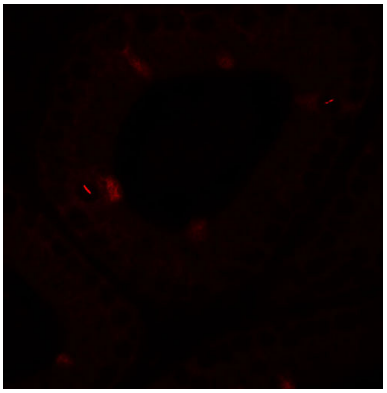


Western blot analysis of SPATA4 in mouse stomach tissue lysate with SPATA4 antibody at (A) 1 and (B) 2 µg/mL.



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

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



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