

SPATA3 Antibody

Catalog # ASC11394

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q8NHX4
Other Accession	NP_620712 , 31712020
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	20901
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	SPATA3 antibody can be used for detection of SPATA3 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	130560
Other Names	Spermatogenesis-associated protein 3, Testis and spermatogenesis cell-related protein 1, Testis spermatocyte apoptosis-related protein 1, SPATA3, TSARG1
Target/Specificity	SPATA3; At least three isoforms of SPATA3 are known to exist; this antibody will detect only the longest two isoforms. SPATA3 antibody is predicted to not cross-react with SPATA protein family members
Reconstitution & Storage	SPATA3 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	SPATA3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SPATA3
Synonyms	TSARG1
Cellular Location	Cell projection, cilium, flagellum

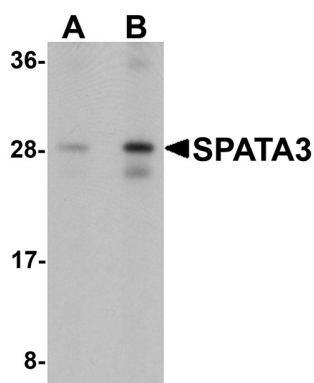
Background

SPATA3 Antibody: The testis and spermatogenesis cell apoptosis related gene 1 (TSARG1) protein, also known as SPATA3, is highly expressed in testis, and to a lower extent in other tissues. SPATA3 contains a highly conserved J domain, which is present in all DnaJ-like proteins, and is thus a novel member of the HSP40 protein family. SPATA3 is thought to be involved in apoptosis of spermatogenic cells.

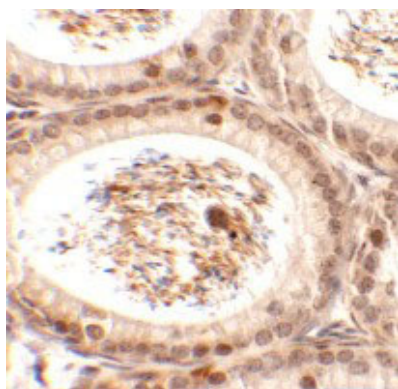
References

Fu JJ, Lu GX, Li LY, et al. Molecular cloning for testis spermatogenesis cell apoptosis related gene TSARG1 and Mtsarg1 and expression analysis for Mtsarg1 gene. *Yi Chuan Xue Bao* 2003; 30:25-9.
Yang HM, Liu G, Nie ZY, et al. Molecular cloning of a novel rat gene Tsarg1, a member of the DnaJ/HSP40 protein family. *DNA Seq.* 2005; 16:166-72.

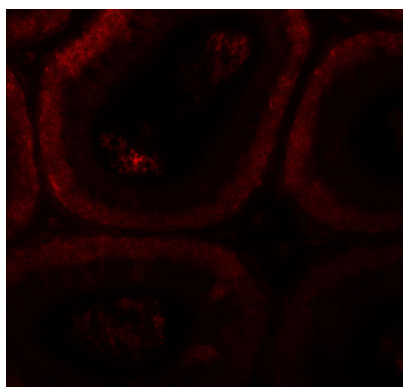
Images



Western blot analysis of SPATA3 in mouse lung tissue lysate with SPATA3 antibody at (A) 1 and (B) 2 $\mu\text{g/mL}$.



Immunohistochemistry of SPATA3 in mouse testis tissue with SPATA3 antibody at 2.5 $\mu\text{g/mL}$.



Immunofluorescence of SPATA3 in mouse testis tissue with SPATA3 antibody at 20 $\mu\text{g/mL}$.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.