

Datasheet for 600-401-ET0**SPATA4 Antibody****Overview**

Description:	Anti-SPATA4 (RABBIT) Antibody - 600-401-ET0
Item No.:	600-401-ET0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	SPATA4 Antibody, SPEF1B, TSARG2, Spermatogenesis-associated protein 4, Testis and spermatogenesis cell-related protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SPATA4
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SPATA4 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human SPATA4.

Purity/Specificity: Anti-SPATA4 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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

Relevant Links:

- [UniProtKB - Q8NEY3](#)
- [GeneID - 132851](#)
- [NCBI - NP_653245.2](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-SPATA4 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 35 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

IHC: 2.5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

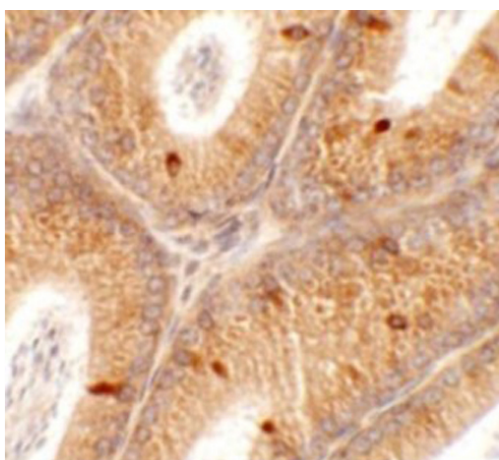
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images

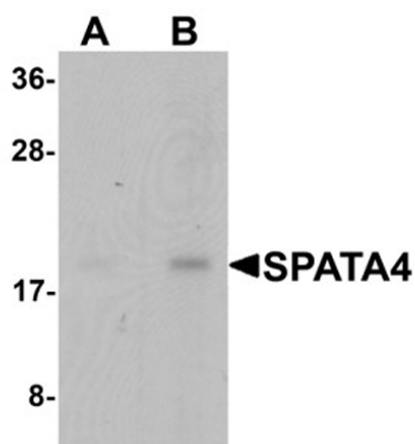


Immunohistochemistry

Immunohistochemistry of SPATA4.

Tissue: mouse testis tissue.

Primary Antibody: SPATA4 antibody at 2.5 µg/mL.

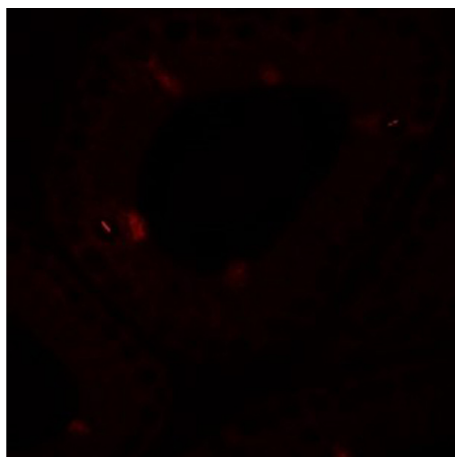


Western Blot

Western blot analysis of SPATA4.

Load: mouse stomach tissue lysate.

Primary Antibody: SPATA4 antibody at (A) 1 µg/mL and (B) 2 µg/mL.

**Immunofluorescence Microscopy**

Immunofluorescence of SPATA4.

Tissue: mouse testis tissue.

Primary Antibody: SPATA4 antibody at 20 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.