

Datasheet for 200-901-ES8

SPATA19 Antibody**Overview**

Description:	Anti-SPATA19 (CHICKEN) Antibody - 200-901-ES8
Item No.:	200-901-ES8
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Chicken

Product Details

Background:	SPATA19, also known as SPERGEN1, was initially identified as a testis-specific protein that localizes to the surface of mitochondria in the middle piece of mature spermatozoa. Recent experiments have shown that elevated levels of SPATA19 have been found in basal cell carcinomas and prostate cancers, suggesting that SPATA19 may serve as a putative cancer biomarker and a target for cancer immunotherapy.
Synonyms:	SPATA19 Antibody, CT132, SPAS1, spergen1, SPERGEN1, Spermatogenesis-associated protein 19, mitochondrial, Spermatogenic cell-specific gene 1 protein, Spergen-1
Host Species:	Chicken
Clonality:	Polyclonal
Format:	IgY

Target Details

Gene Name:	SPATA19
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SPATA19 antibody was prepared from chicken egg fractions produced by repeated immunizations with an 17 amino acid synthetic peptide near the N-terminus of human SPATA19.

Purity/Specificity: Anti-SPATA19 Antibody is an IgY fraction that has been affinity purified by immunoaffinity purification. At least two isoforms of SPATA19 are known to exist; this antibody will detect both isoforms. SPATA19 antibody is predicted to not cross-react with other SPATA family members.

Relevant Links:

- [UniProtKB - Q7Z5L4](#)
- [GeneID - 219938](#)
- [NCBI - NP_001278921.1](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-SPATA19 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 19 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

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

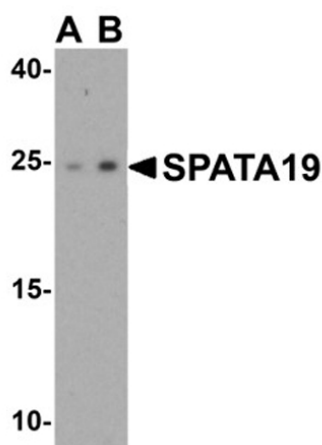
Shipping & Handling

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



Western Blot

Western blot analysis of SPATA19.

Load: human testis tissue lysate.

Primary Antibody: SPATA19 antibody at (A) 1 μ g/mL and (B) 2 μ g/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.