

Datasheet for 200-901-ES7**SPATA18 Antibody****Overview**

Description:	Anti-SPATA18 (CHICKEN) Antibody - 200-901-ES7
Item No.:	200-901-ES7
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Chicken

Product Details

Background:	SPATA18, also known as SPETEX-1, was initially identified as a cytoplasmic protein of elongate spermatids that is thought to be involved in differentiation process of elongate spermatids to mature spermatozoa. Recent experiments have shown that SPATA18 is a transcriptional target of p53 and p63. It has also been suggested to play a role in mitochondria quality control by inducing intramitochondrial lysosome-like organella that eliminate oxidized mitochondrial proteins.
Synonyms:	SPATA18 Antibody, Mieap, SPETEX1, MIEAP, Mitochondria-eating protein, Spermatogenesis-associated protein 18
Host Species:	Chicken
Clonality:	Polyclonal
Format:	IgY

Target Details

Gene Name:	SPATA18
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SPATA18 antibody was prepared from chicken egg fractions produced by repeated immunizations with a 19 amino acid synthetic peptide near the N-terminus of human SPATA18.

Purity/Specificity: Anti-SPATA18 Antibody is an IgY fraction that has been affinity purified by immunoaffinity purification. At least three isoforms of SPATA18 are known to exist; this antibody will detect the two longest isoforms. SPATA18 antibody is predicted to not cross-react with other SPATA family members.

Relevant Links:

- [UniProtKB - Q8TC71](#)
- [GeneID - 132671](#)
- [NCBI - NP_001284537.1](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-SPATA18 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 61 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

WB: 1 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

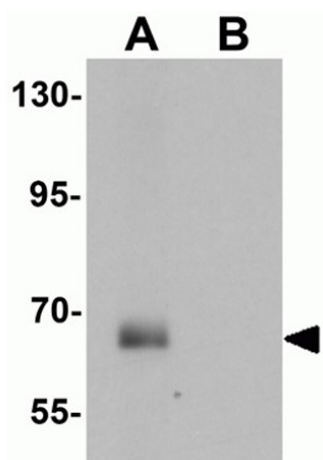
Shipping & Handling

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 SPATA18.

Load: rat lung tissue lysate.

Primary Antibody: SPATA18 antibody at 1 μ g/mL in (A) the absence and (B) the presence of blocking peptide.

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.