

Datasheet for ABIN7601891  
**anti-SPATA7 antibody (AA 5-599)**



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	SPATA7
Binding Specificity:	AA 5-599
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPATA7 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-SPATA7 Antibody Picoband®
Immunogen:	E.coli-derived human SPATA7 recombinant protein (Position: R5-V599).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SPATA7 Antibody Picoband® (ABIN7601891). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	SPATA7
Alternative Name:	SPATA7 ( <a href="#">SPATA7 Products</a> )
Background:	<p>Synonyms: Histone-lysine N-methyltransferase SETDB2, Chronic lymphocytic leukemia deletion region gene 8 protein, Lysine N-methyltransferase 1F, SET domain bifurcated 2, SETDB2, C13orf4, CLLD8, KMT1F</p> <p>Tissue Specificity: Highly expressed in reproductive organs, such as testis, ovary and prostate.</p> <p>Background: Spermatogenesis-associated protein 7 is a protein that in humans is encoded by the SPATA7 gene. This gene, originally isolated from testis, is also expressed in retina.</p> <p>Mutations in this gene are associated with Leber congenital amaurosis and juvenile retinitis pigmentosa. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.</p>
Molecular Weight:	68 kDa
Gene ID:	55812
UniProt:	<a href="#">Q9P0W8</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Avila-Fernandez, A., Corton, M., Lopez-Molina, M. I., Martin-Garrido, E., Cantalapiedra, D., Fernandez-Sanchez, R., Blanco-Kelly, F., Riveiro-Alvarez, R., Tatu, S. D., Trujillo-Tiebas, M. J., Garcia-Sandoval, B., Ayuso, C., Cremers, F. P. M. Late onset retinitis pigmentosa. Ophthalmology 118: 2523-2524, 2011. 2. Eblimit, A., Agrawal, S. A., Thomas, K., Anastassov, I. A., Abulikemu, T., Moayed, Y., Mardon, G., Chen, R. Conditional loss of Spata7 in photoreceptors causes progressive retinal degeneration in mice. Exp. Eye Res. 166: 120-130, 2018. Note: Erratum: Exp Eye Res. 171: 119, 2018. 3. Eblimit, A., Nguyen, T.-M. T., Chen, Y., Esteve-Rudd, J., Zhong, H., Letteboer, S., Van Reeuwijk, J., Simons, D. L., Ding, Q., Wu, K. M., Li, Y., Van Beersum, S., and 10 others. Spata7 is a retinal ciliopathy gene critical for correct RPGRIP1 localization and protein trafficking in the retina. Hum. Molec. Genet. 24: 1584-601, 2015.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
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## Handling

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Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.