

Datasheet for ABIN7599767
anti-SPATA5 antibody (AA 115-853)



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Overview

Quantity:	100 µg
Target:	SPATA5
Binding Specificity:	AA 115-853
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPATA5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SPATA5 Antibody Picoband®
Immunogen:	E.coli-derived human SPATA5 recombinant protein (Position: E115-Q853).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SPATA5 Antibody Picoband® (ABIN7599767). 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:	SPATA5
Alternative Name:	SPATA5 (SPATA5 Products)
Background:	<p>Synonyms: Rho-related GTP-binding protein Rho6,Rho family GTPase 1,Rnd1,RND1,RHO6,</p> <p>Tissue Specificity: Mostly expressed in brain and liver.</p> <p>Background: Spermatogenesis-associated protein 5 is a protein that in humans is encoded by the SPATA5 gene. This gene encodes a member of the ATPase associated with diverse activities family, whose members are defined by a highly conserved ATPase domain. Members of this family participate in diverse cellular processes that include membrane fusion, DNA replication, microtubule severing, and protein degradation. The protein encoded by this gene has a putative mitochondrial targeting sequence and has been proposed to function in maintenance of mitochondrial function and integrity during mouse spermatogenesis. Allelic variants in this gene have been associated with epilepsy, hearing loss, and cognitive disability syndrome. Alternative splicing results in multiple transcript variants.</p>
Molecular Weight:	98 kDa
Gene ID:	166378

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Hartz, P. A. Personal Communication. Baltimore, Md. 4/19/2011. 2. Kurata, H., Terashima, H., Nakashima, M., Matsumura, W., Ohno, K., Saito, Y., Maegaki, Y., Kubota, M., Nanba, E., Saitsu, H., Matsumoto, N., Kato, M. Characterization of SPATA5-related encephalopathy in early childhood. Clin. Genet. 90: 437-444, 2016. 3. Liu, Y., Black, J., Kisiel, N., Kulesz-Martin, M. F. SPAF, a new AAA-protein specific to early spermatogenesis and malignant conversion. Oncogene 19: 1579-1588, 2000.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
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.