

Datasheet for ABIN7601020
anti-SPATA18 antibody (AA 27-490)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SPATA18
Binding Specificity:	AA 27-490
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPATA18 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SPATA18 Antibody Picoband®
Immunogen:	E.coli-derived human SPATA18 recombinant protein (Position: E27-R490).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SPATA18 Antibody Picoband® (ABIN7601020). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human. 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:	SPATA18
Alternative Name:	SPATA18 (SPATA18 Products)
Background:	<p>Synonyms: Interleukin-36 alpha, FIL1 epsilon, Interleukin-1 epsilon, IL-1 epsilon, Interleukin-1 family member 6, IL-1F6, IL36A, FIL1E, IL1E, IL1F6</p> <p>Tissue Specificity: Expressed in immune system and fetal brain, but not in other tissues tested or in multiple hematopoietic cell lines. Predominantly expressed in skin keratinocytes but not in fibroblasts, endothelial cells or melanocytes. Increased in lesional psoriasis skin.</p> <p>Background: This gene encodes a p53-inducible protein that is able to induce lysosome-like organelles within mitochondria that eliminate oxidized mitochondrial proteins, thereby contributing to mitochondrial quality control. Dysregulation of mitochondrial quality control is associated with cancer and degenerative diseases. The encoded protein mediates accumulation of the lysosome-like mitochondrial organelles through interaction with B cell lymphoma 2 interacting protein 3 and B cell lymphoma 2 interacting protein 3 like at the outer mitochondrial membrane, which allows translocation of lysosomal proteins to the mitochondrial matrix from the cytosol. Alternative splicing results in multiple transcript variants.</p>
Molecular Weight:	61 kDa
Gene ID:	132671

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 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. Bornstein, C., Brosh, R., Molchadsky, A., Madar, S., Kogan-Sakin, I., Goldstein, I., Chakravarti, D., Flores, E. R., Goldfinger, N., Sarig, R., Rotter, V. SPATA18, a spermatogenesis-associated gene, is a novel transcriptional target of p53 and p63. <i>Molec. Cell. Biol.</i> 31: 1679-1689, 2011. 2. Iida, H., Ichinose, J., Kaneko, T., Mori, T., Shibata, Y. Complementary DNA cloning of rat Spetex-1, a spermatid-expressing gene-1, encoding a 63 kDa cytoplasmic protein of elongate spermatids. <i>Molec. Reprod. Dev.</i> 68: 385-393, 2004. 3. Kaindl, A. M., Jakubiczka, S., Lucke, T., Bartsch, O., Weis, J., Stoltenburg-Diding, G., Aksu, F., Oexle, K., Koehler, K., Huebner, A. Homozygous microdeletion of chromosome 4q11-q12 causes severe limb-girdle muscular dystrophy type 2E with joint hyperlaxity and contractures. (Abstract) <i>Hum. Mutat.</i> 26: 279-280, 2005. Note: Full article online.</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
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.