Datasheet for ABIN7601804

anti-SARS2 antibody (AA 46-518)

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Overview

Quantity:	100 µg
Target:	SARS2
Binding Specificity:	AA 46-518
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SARS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-SARS2 Antibody Picoband®
Immunogen:	E.coli-derived human SARS2 recombinant protein (Position: E46-S518).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SARS2 Antibody Picoband® (ABIN7601804). Tested in ELISA, IF, IHC, ICC, 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:	SARS2
Alternative Name:	SARS2 (SARS2 Products)
Background:	Synonyms: Ubiquitin carboxyl-terminal hydrolase 44, Deubiquitinating enzyme 44, Ubiquitin thioesterase 44, Ubiquitin-specific-processing protease 44, USP44 Tissue Specificity: Expressed in testis. Expressed at high levels in T-cell acute lymphoblastic leukemia. Background: Seryl-tRNA synthetase, mitochondrial is an enzyme that in humans is encoded by the SARS2 gene. This gene encodes the mitochondrial seryl-tRNA synthethase precursor, a member of the class II tRNA synthetase family. The mature enzyme catalyzes the ligation of Serine to tRNA(Ser) and participates in the biosynthesis of selenocysteinyl-tRNA(sec) in mitochondria. The enzyme contains an N-terminal tRNA binding domain and a core catalytic domain. It functions in a homodimeric form, which is stabilized by tRNA binding. This gene is regulated by a biional promoter that also controls the expression of mitochondrial ribosomal protein S12. Both genes are within the critical interval for the autosomal dominant deafness locus DFNA4 and might be linked to this disease. Multiple transcript variants encoding different isoforms have been identified for this gene.
Molecular Weight:	53 kDa
Gene ID:	54938

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Belostotsky, R., Ben-Shalom, E., Rinat, C., Becker-Cohen, R., Feinstein, S., Zeligson, S., Segel, R., Elpeleg, O., Nassar, S., Frishberg, Y. Mutations in the mitochondrial seryl-tRNA synthetase cause hyperuricemia, pulmonary hypertension, renal failure in infancy and alkalosis, HUPRA syndrome. Am. J. Hum. Genet. 88: 193-200, 2011. 2. Bonnefond, L., Fender, A., Rudinger-Thirion, J., Giege, R., Florentz, C., Sissler, M. Toward the full set of human mitochondrial aminoacyl-tRNA synthetases: characterization of AspRS and TyrRS. Biochemistry 44: 4805-4816, 2005. 3. Chimnaronk, S., Gravers Jeppesen, M., Suzuki, T., Nyborg, J., Watanabe, K. Dual-mode recognition of noncanonical tRNAs(Ser) by seryl-tRNA synthetase in mammalian mitochondria. EMBO J. 24: 3369-3379, 2005.

Application Details

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 Na2HPO4.
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.