Datasheet for ABIN7599510

anti-SARDH antibody (AA 1-640)

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Overview

Quantity:	100 µg
Target:	SARDH
Binding Specificity:	AA 1-640
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SARDH antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SARDH Antibody Picoband®
Immunogen:	E.coli-derived human SARDH recombinant protein (Position: M1-E640).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SARDH Antibody Picoband® (ABIN7599510). 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:	SARDH
Alternative Name:	SARDH (SARDH Products)
Background:	Synonyms: Band 4.1-like protein 5, EPB41L5, KIAA1548 Tissue Specificity: Predominantly expressed in testis and placenta as well as in many cell lines, including epithelial cell lines. Background: Sarcosine dehydrogenase, mitochondrial is an enzyme that in humans is encoded by the SARDH gene. This gene encodes an enzyme localized to the mitochondrial matrix which catalyzes the oxidative demethylation of sarcosine. This enzyme is distinct from another mitochondrial matrix enzyme, dimethylglycine dehydrogenase, which catalyzes a reaction resulting in the formation of sarcosine. Mutations in this gene are associated with sarcosinemia. Alternatively spliced transcript variants have been described.
Molecular Weight:	101 kDa
Gene ID:	1757

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bar-joseph, I., Pras, E., Reznik-Wolf, H., Marek-Yagel, D., Abu-Horvitz, A., Dushnitzky, M., Goldstein, N., Rienstein, S., Dekel, M., Pode-Shakked, B., Zlotnik, J., Benarrosh, A., Gillery, P., Hofliger, N., Auray-Blais, C., Garnotel, R., Anikster, Y. Mutations in the sarcosine dehydrogenase gene in patients with sarcosinemia. Hum. Genet. 131: 1805-1810, 2012. 2. Brunialti, A. L. B., Harding, C. O., Wolff, J. A., Guenet, J.-L. The mouse mutation sarcosinemia (sar) maps to chromosome 2 in a region homologous to human 9q33-q34. Genomics 36: 182-184, 1996. 3. Eschenbrenner, M., Jorns, M. S. Cloning and mapping of the cDNA for human sarcosine dehydrogenase, a flavoenzyme defective in patients with sarcosinemia. Genomics 59: 300-308, 1999.
Restrictions:	For Research Use only

Handling

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

Handling

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.