

Datasheet for ABIN7599512
anti-slc25a13 antibody (AA 1-643)



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Overview

Quantity:	100 µg
Target:	slc25a13
Binding Specificity:	AA 1-643
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This slc25a13 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Citrin/SLC25A13 Antibody Picoband®
Immunogen:	E.coli-derived human Citrin/SLC25A13 recombinant protein (Position: M1-A643).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Citrin/SLC25A13 Antibody Picoband® (ABIN7599512). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, 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:	slc25a13
Alternative Name:	SLC25A13 (slc25a13 Products)
Background:	Synonyms: Methyl-CpG-binding domain protein 4, Methyl-CpG-binding endonuclease 1, Methyl-CpG-binding protein MBD4, Mismatch-specific DNA N-glycosylase, MBD4, MED1 Background: Citrin also known as solute carrier family 25, member 13 (citrin) or SLC25A13 is a protein which in humans is encoded by the SLC25A13 gene. This gene is a member of the mitochondrial carrier family. The encoded protein contains four EF-hand Ca(2+) binding motifs in the N-terminal domain, and localizes to mitochondria. The protein catalyzes the exchange of aspartate for glutamate and a proton across the inner mitochondrial membrane, and is stimulated by calcium on the external side of the inner mitochondrial membrane. Mutations in this gene result in citrullinemia, type II. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	70 kDa
Gene ID:	10165
Pathways:	Ribonucleoside Biosynthetic Process , Dicarboxylic Acid Transport

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Fiermonte, G., Soon, D., Chaudhuri, A., Paradies, E., Lee, P. J., Krywawych, S., Palmieri, F., Lachmann, R. H. An adult with type 2 citrullinemia presenting in Europe. (Letter) New Eng. J. Med. 358: 1408-1409, 2008. 2. Kobayashi, K., Sinasac, D. S., Iijima, M., Boright, A. P., Begum, L., Lee, J. R., Yasuda, T., Ikeda, S., Hirano, R., Terazono, H., Crackower, M. A., Kondo, I., Tsui, L.-C., Scherer, S. W., Saheki, T. The gene mutated in adult-onset type II citrullinaemia encodes a putative mitochondrial carrier protein. Nature Genet. 22: 159-163, 1999. 3. Ohura, T., Kobayashi, K., Tazawa, Y., Nishi, I., Abukawa, D., Sakamoto, O., Iinuma, K., Saheki, T. Neonatal presentation of adult-onset type II citrullinemia. Hum. Genet. 108: 87-90, 2001.
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.