Datasheet for ABIN7602010

anti-CISD2 antibody (AA 55-124)

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Overview

Quantity:	100 µg
Target:	CISD2
Binding Specificity:	AA 55-124
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CISD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-CISD2 Antibody Picoband®
Immunogen:	E.coli-derived human CISD2 recombinant protein (Position: A55-N124).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CISD2 Antibody Picoband® (ABIN7602010). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Monkey, 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:	CISD2
Alternative Name:	CISD2 (CISD2 Products)
Background:	Synonyms: Rho-related GTP-binding protein Rho6,Rho family GTPase 1,Rnd1,RND1,RHO6, Tissue Specificity: Mostly expressed in brain and liver. Background: CDGSH iron sulfur domain 2 is a protein that in humans is encoded by the CISD2 gene. The protein encoded by this gene is a zinc finger protein that localizes to the endoplasmic reticulum. The encoded protein binds an iron/sulfur cluster and may be involved in calcium homeostasis. Defects in this gene are a cause of Wolfram syndrome 2.
Molecular Weight:	15 kDa
Gene ID:	493856
UniProt:	Q8N5K1
Pathways:	Activation of Innate immune Response

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat, Monkey Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Amr, S., Heisey, C., Zhang, M., Xia, X.-J., Shows, K. H., Ajlouni, K., Pandya, A., Satin, L. S., El-Shanti, H., Shiang, R. A homozygous mutation in a novel zinc-finger protein, ERIS, is responsible for Wolfram syndrome 2. Am. J. Hum. Genet. 81: 673-683, 2007. 2. Cattaneo, M., La Sala, L., Rondinelli, M., Errichiello, E., Zuffardi, O., Puca, A. A., Genovese, S., Ceriello, A. A donor splice site mutation in CISD2 generates multiple truncated, non-functional isoforms in Wolfram syndrome type 2 patients. BMC Med. Genet. 18: 147, 2017. 3. Chang, N. C., Nguyen, M., Bourdon, J., Risse, P.-A., Martin, J., Danialou, G., Rizzuto, R., Petrof, B. J., Shore, G. C. Bcl-2-associated autophagy regulator Naf-1 required for maintenance of skeletal muscle. Hum. Molec. Genet. 21: 2277-2287, 2012.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Add 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, 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.