Datasheet for ABIN7600029

anti-AHCYL1 antibody (AA 14-57)

Go to Product page

Overview

Quantity:	100 µg
Target:	AHCYL1
Binding Specificity:	AA 14-57
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AHCYL1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-IRBIT/AHCYL1 Antibody Picoband® (monoclonal, 2E7D9)
Immunogen:	E.coli-derived human IRBIT/AHCYL1 recombinant protein (Position: E14-K57).
Clone:	2E7D9
Isotype:	IgG1
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-IRBIT/AHCYL1 Antibody Picoband® (monoclonal, 2E7D9) (ABIN7600029). Tested in 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.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	AHCYL1
Alternative Name:	AHCYL1 (AHCYL1 Products)
Background:	Synonyms: T-complex protein 1 subunit gamma, TCP-1-gamma, CCT-gamma, hTRiC5, CCT3, CCTG, TRIC5 Tissue Specificity: Ubiquitously expressed with highest levels in spleen, thymus and immature brain. Background: Putative adenosylhomocysteinase 2 is an enzyme that in humans is encoded by the AHCYL1 gene. The protein encoded by this gene interacts with inositol 1,4,5-trisphosphate receptor, type 1 and may be involved in the conversion of S-adenosyl-L-homocysteine to L-homocysteine and adenosine. Several transcript variants encoding two different isoforms have been found for this gene.
Molecular Weight:	59 kDa
Gene ID:	10768
UniProt:	O43865

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Ando, H., Mizutani, A., Kiefer, H., Tsuzurugi, D., Michikawa, T., Mikoshiba, K. IRBIT suppresses IP3 receptor activity by competing with IP3 for the common binding site on the IP3 receptor. Molec. Cell 22: 795-806, 2006. 2. Ando, H., Mizutani, A., Matsu-ura, T., Mikoshiba, K. IRBIT, a novel inositol 1,4,5-trisphosphate (IP3) receptor-binding protein, is released from the IP3 receptor upon IP3 binding to the receptor. J. Biol. Chem. 278: 10602-10612, 2003. 3. Ando, H., Mizutani, A., Mikoshiba, K. An IRBIT homologue lacks binding activity to inositol 1,4,5-trisphosphate receptor due to the unique N-terminal appendage. J. Neurochem. 109: 539-550, 2009.
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 and 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.