Datasheet for ABIN7600030

anti-AHCYL1 antibody (AA 14-57)

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Overview

Quantity:	100 µg
Target:	AHCYL1
Binding Specificity:	AA 14-57
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AHCYL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-IRBIT/AHCYL1 Antibody Picoband®
Immunogen:	E.coli-derived human IRBIT/AHCYL1 recombinant protein (Position: E14-K57).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-IRBIT/AHCYL1 Antibody Picoband® (ABIN7600030). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, 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:	AHCYL1
Alternative Name:	AHCYL1 (AHCYL1 Products)
Background:	Synonyms: Pannexin-2, PANX2 Tissue Specificity: Expressed in fetal and adult brain. Also detected in fetal liver and skeletal muscle, but not in their adult counterparts. 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:	61 kDa
Gene ID:	10768
UniProt:	O43865

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 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

Handling

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.