

Mouse IRBIT/AHCYL1 Monoclonal Antibody | anti-AHCYL1 antibody

Anti-IRBIT/AHCYL1 Antibody Picoband (monoclonal, 2E7D9)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126957	Mouse	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot

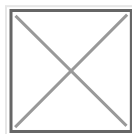
PRODUCT SYNONYMS

IRBIT/AHCYL1; Monoclonal Antibody; Anti-IRBIT/AHCYL1 Antibody Picoband (monoclonal; 2E7D9); anti-AHCYL1 antibody

PRODUCT SPECIFICATIONS

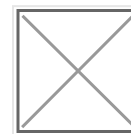
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2E7D9
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-AHCYL1 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human IRBIT/AHCYL1 recombinant protein (Position: E14-K57). Human IRBIT/AHCYL1 shares 100% amino acid (aa) sequence identity with mouse and IRBIT/AHCYL1
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of K562 cells using anti-IRBIT/AHCYL1 antibody (AAA126957).Overlay histogram showing K562 cells stained with AAA126957 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-IRBIT/AHCYL1 Antibody (AAA126957, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-mouse IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was mouse IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of IRBIT/AHCYL1 using anti-IRBIT/AHCYL1 antibody (AAA126957).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: human MCF-7 whole cell lysates,Lane 4: rat brain tissue lysates,Lane 5: rat pancreas tissue lysates,Lane 6: mouse brain tissue lysates,Lane 7: mouse pancreas tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-IRBIT/AHCYL1 antigen affinity purified monoclonal antibody (#AAA126957) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IRBIT/AHCYL1 at approximately 59 kDa. The expected band size for IRBIT/AHCYL1 is at 59 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-AHCYL1 antibody	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.
Product Categories/Family for anti-AHCYL1 antibody	Primary Antibodies, Mouse Monoclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	336455095
NCBI GeneID	10768
NCBI Accession #	NP_001229602
NCBI GenBank Nucleotide #	NM_001242673
UniProt Accession #	O43865; Q2TAJ6; Q502W8; Q5VSM0; Q6P171; Q96PK4; Q9UG84; B4E168
NCBI Official Full Name	putative adenosylhomocysteinase 2 isoform b
NCBI Official Synonym Full Names	adenosylhomocysteinase-like 1
NCBI Official Symbol	AHCYL1
NCBI Official Synonym Symbols	DCAL; IRBIT; PPP1R78; PRO0233; XPVKONA
NCBI Protein Information	putative adenosylhomocysteinase 2; DC-expressed AHCY-like molecule; IP(3)Rs binding protein released with IP(3); S-adenosyl homocysteine hydrolase homolog; S-adenosyl-L-homocysteine hydrolase 2; S-adenosylhomocysteine hydrolase-like protein 1; adoHcyase 2
UniProt Protein Name	Putative adenosylhomocysteinase 2
UniProt Gene Name	AHCYL1
UniProt Synonym Gene Names	DCAL; XPVKONA; AdoHcyase 2; IRBIT
UniProt Entry Name	SAHH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/irbit-ahcyl1-antibody-clone-2e7d9-flow-cytometry-western-blot-elisa/126957>