

Rabbit anti-Human AHCYL1 Polyclonal Antibody | anti-AHCYL1 antibody

AHCYL1 Antibody

CATALOG # AAA118836	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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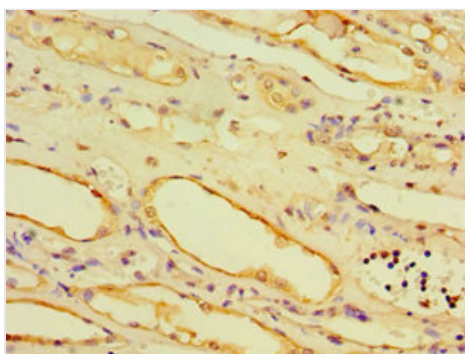
PRODUCT SYNONYMS

AHCYL1; Polyclonal Antibody; AHCYL1 Antibody; AdoHcyase 2; DC-expressed AHCY-like molecule; IP(3)Rs binding protein released with IP(3); IRBIT; S-adenosyl-L-homocysteine hydrolase 2; S-adenosylhomocysteine hydrolase-like protein 1; anti-AHCYL1 antibody

PRODUCT SPECIFICATIONS

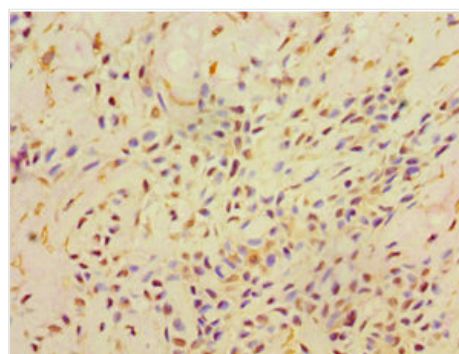
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	483
Applicable Applications for anti-AHCYL1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Adenosylhomocysteinase 2 protein (31-260aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-162507
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



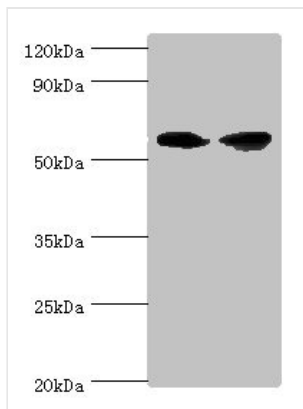
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human kidney using AAA118836 at dilution 1:100



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA118836 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: AHCYL1 antibody at 12ug/mlLane 1:Hela whole cell lysateLane 2:293T whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 59,54 kDaObserved band size: 59 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AHCYL1 antibody	Multifaceted cellular regulator which coordinates several essential cellular functions including regulation of epithelial HCO₃⁻ and fluid secretion, mRNA processing and DNA replication. Regulates ITPR1 sensitivity to inositol 1,4,5-trisphosphate competing for the common binding site and acting as endogenous 'pseudoligand' whose inhibitory activity can be modulated by its phosphorylation status. In the pancreatic and salivary ducts, at resting state, attenuates inositol 1,4,5-trisphosphate-induced calcium release by interacting with ITPR1 (PubMed:16793548). When extracellular stimuli induce ITPR1 phosphorylation or inositol 1,4,5-trisphosphate production, dissociates of ITPR1 to interact with CFTR and SLC26A6 mediating their synergistic activation by calcium and cAMP that stimulates the epithelial secretion of electrolytes and fluid (By similarity). Also activates basolateral SLC4A4 isoform 1 to coordinate fluid and HCO₃⁻ secretion (PubMed:16769890). Inhibits the effect of STK39 on SLC4A4 and CFTR by recruiting PP1 phosphatase which activates SLC4A4, SLC26A6 and CFTR through dephosphorylation (By similarity). Mediates the induction of SLC9A3 surface expression produced by Angiotensin-2 (PubMed:20584908). Depending on the cell type, activates SLC9A3 in response to calcium or reverses SLC9A3R2-dependent calcium inhibition (PubMed:18829453). May modulate the polyadenylation state of specific mRNAs, both by controlling the subcellular location of FIP1L1 and by inhibiting PAPOLA activity, in response to a stimulus that alters its phosphorylation state (PubMed:19224921). Acts as a (dATP)-dependent inhibitor of ribonucleotide reductase large subunit RRM1, controlling the endogenous dNTP pool and ensuring normal cell cycle progression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	336455095
NCBI GeneID	10768
NCBI Accession #	NP_001229602.1
NCBI GenBank Nucleotide #	NM_001242673.1
UniProt Accession #	O43865; Q2TAJ6; Q502W8; Q5VSM0; Q6P171; Q96PK4; Q9UG84; B4E168
Molecular Weight	53,753 Da
NCBI Official Full Name	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	adenosylhomocysteinase 2
UniProt Protein Name	Adenosylhomocysteinase 2
UniProt Gene Name	AHCYL1

UniProt Synonym Gene Names	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://www.aaabiotech.com/polyclonal/ahcy11-antibody-immunohistochemistry-western-blot-elisa/118836>