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Datasheet for ABIN7168521 anti-AHCYL1 antibody (AA 31-260)

3 Images



Overview

Quantity:	100 µL
Target:	AHCYL1
Binding Specificity:	AA 31-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AHCYL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human S-adenosylhomocysteine hydrolase-like protein 1 protein (31-260AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	AHCYL1
Alternative Name:	AHCYL1 (AHCYL1 Products)
Background:	Background: Multifaceted cellular regulator which coordinates several essential cellular
	functions including regulation of epithelial HCO3- and fluid secretion, mRNA processing and

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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 .
Aliases: AA409031 antibody, AdoHcyase 2 antibody, Ahcy-rs3 antibody, AHCYL1 antibody, DC
expressed AHCY like molecule antibody, DC-expressed AHCY-like molecule antibody, DCAL
antibody, Dendritic cell expressed AHCY like protein antibody, Inositol 1,4,5-trisphosphate
receptor-binding protein antibody, IP3R binding protein released with inositol 1,4,5-
trisphosphate antibody, IRBIT antibody, PR00233 antibody, Putative adenosylhomocysteinase
2 antibody, S adenosyl L homocysteine hydrolase 2 antibody, S adenosylhomocysteine
hydrolase like 1 antibody, S-adenosyl-L-homocysteine hydrolase 2 antibody, S-

adenosylhomocysteine hydrolase-like protein 1 antibody, SAHH2_HUMAN antibody, XPVKONA antibody

UniProt:

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200,

043865

Restrictions:

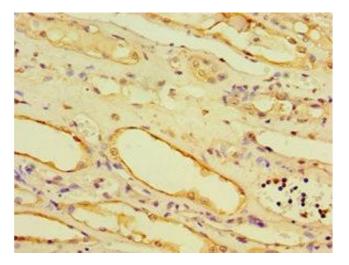
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Handling

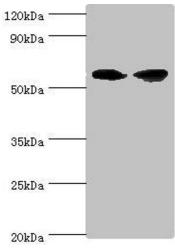
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

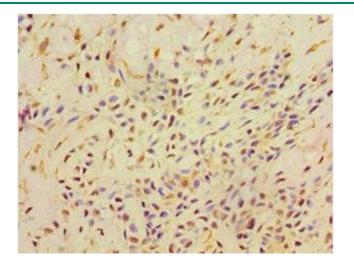
Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7168521 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: AHCYL1 antibody at 12μ g/mL Lane 1: Hela whole cell lysate Lane 2: 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 59, 54 kDa Observed band size: 59 kDa

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Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7168521 at dilution of 1:100

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