



AHCYL1 polyclonal antibody

Catalog: AP6014

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

AHCYL1 (S-adenosylhomocysteine hydrolase-like 1), also known as DCAL, IRBIT or PRO0233, is an endoplasmic reticulum (ER) protein that is involved in amino acid biosynthesis. Expressed in dendritic blood cells (DCs), AHCYL1 functions to catalyze the H₂O-dependent conversion of S-adenosyl-L-homocysteine to L-homocysteine and adenosine, a reaction that uses NAD as a cofactor. Additionally, AHCYL1 contains a PDZ-binding domain and a PEST region through which it can interact with IP3R-1 (inositol 1,4,5-trisphosphate (IP3) receptor-1), a protein involved in various signaling pathways. This interaction lowers the affinity of IP3R-1 for its substrate, IP3, thereby decreasing the rate of IP3-IP3R-1 binding. AHCYL1 shares 100% homology with its mouse counterpart, indicating a highly conserved function between species. Two isoforms of AHCYL1 are expressed due to alternative splicing events.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 59 kDa

Swiss-Prot:

O43865

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

AHCYL1 polyclonal antibody detects endogenous levels of AHCYL1 protein.

DATA:

Note:

For research use only, not for use in diagnostic procedure.

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