SLC38A9 Antibody

PACO46882

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200

Protein Background:

Lysosomal amino acid, transporter involved in the activation of mTORC1 in response to amino acid, . Probably acts as an amino acid, sensor of the Rag GTPases and Ragulator complexes, 2 complexes involved in amino acid, sensing and activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acid, . Following activation by amino acid, , the Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated. SLC38A9 mediates transport of amino acid, with low capacity and specificity with a slight preference for polar amino acid, , suggesting that it acts as an amino acid, sensor instead. The high concentration of arginine in lysosomes suggests that it acts as an arginine sensor.

Gene ID:

SLC38A9

Uniprot

Q8NBW4

Synonyms:

Sodium-coupled neutral amino acid, transporter 9 (Solute carrier family 38 member 9) (Up-regulated in lung cancer 11), SLC38A9, URLC11

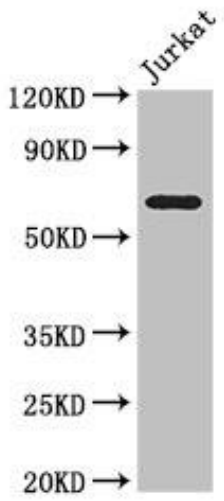
Immunogen:

Recombinant Human Sodium-coupled neutral amino acid, transporter 9 protein (1-119AA).

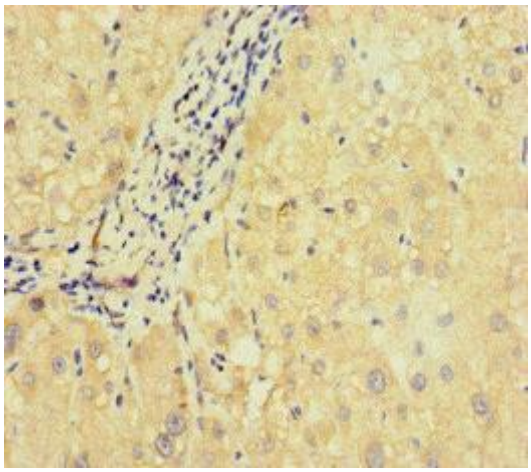
Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

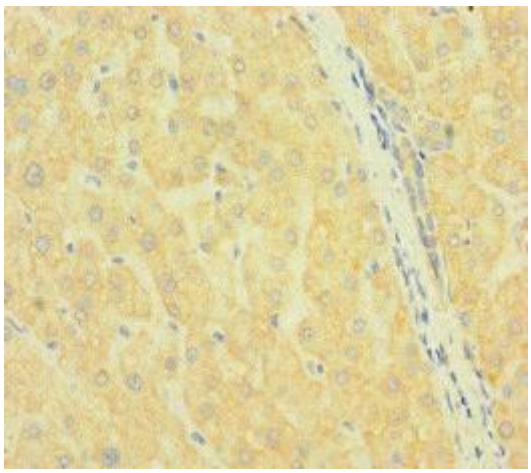
Product Images



Western Blot. Positive WB detected in: Jurkat whole cell lysate. All lanes: SLC38A9 antibody at 3.5µg/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 64, 53, 57 kDa. Observed band size: 64 kDa.



Immunohistochemistry of paraffin-embedded human liver cancer using PACO46882 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human liver tissue using PACO46882 at dilution of 1:100.

