

Datasheet for ABIN7169972
anti-SLC38A9 antibody (AA 1-119)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	SLC38A9
Binding Specificity:	AA 1-119
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC38A9 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Sodium-coupled neutral amino acid transporter 9 protein (1-119AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SLC38A9
Alternative Name:	SLC38A9 (SLC38A9 Products)
Background:	Background: Lysosomal amino acid transporter involved in the activation of mTORC1 in response to amino acids. Probably acts as an amino acid sensor of the Rag GTPases and

Target Details

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 acids (PubMed:25561175, PubMed:25567906). Following activation by amino acids, the Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated. SLC38A9 mediates transport of amino acids with low capacity and specificity with a slight preference for polar amino acids, suggesting that it acts as an amino acid sensor instead (PubMed:25561175, PubMed:25567906). The high concentration of arginine in lysosomes suggests that it acts as an arginine sensor (PubMed:25567906).

Aliases: FLJ46104 antibody, FLJ90709 antibody, Homo sapiens solute carrier family 38, member 9 antibody, MGC120544 antibody, OTTHUMP00000161835 antibody, Putative sodium coupled neutral amino acid transporter 9 antibody, Putative sodium-coupled neutral amino acid transporter 9 antibody, Putative uncharacterized protein FLJ90709 antibody, S38A9_HUMAN antibody, SLC38A9 antibody

UniProt: [Q8NBW4](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

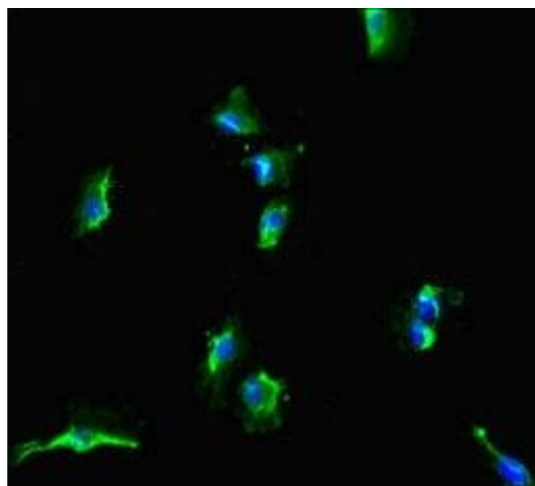
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

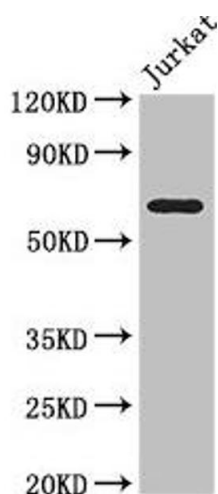
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



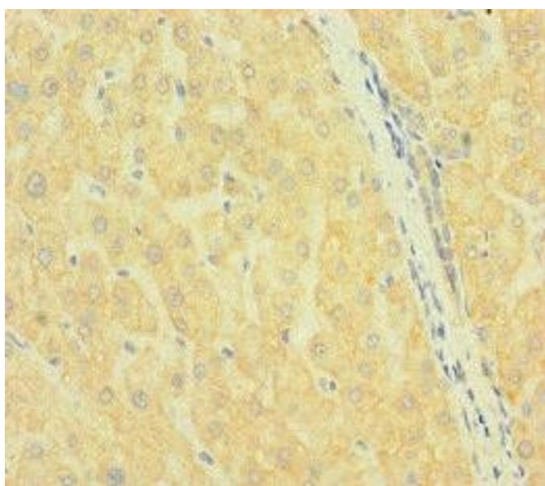
Immunofluorescence

Image 1. Immunofluorescent analysis of U251 cells using ABIN7169972 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: Jurkat whole cell lysate All lanes: SLC38A9 antibody at 3.5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 64, 53, 57 kDa Observed band size: 64 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7169972 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7169972.