

For Research Use Only

# SLC31A1 Polyclonal antibody

Catalog Number: 27499-1-AP

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 27499-1-AP	<b>GenBank Accession Number:</b> BC013611	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1317	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> solute carrier family 31 (copper transporters), member 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 21 kDa	
<b>Immunogen Catalog Number:</b> AG26601	<b>Observed MW:</b> 21-25,30-35,60-70 kDa	

## Applications

<b>Tested Applications:</b> FC, IF, WB, ELISA	<b>Positive Controls:</b> WB : HT-29 cells, Caco-2 cells, HeLa cells IF : human liver cancer tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human	

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Hong Yang	36293101	Int J Mol Sci	WB
Trace M Jones	36860653	Cancer Res Commun	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

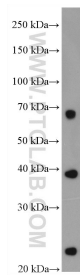
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

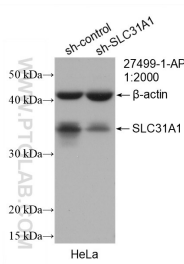
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

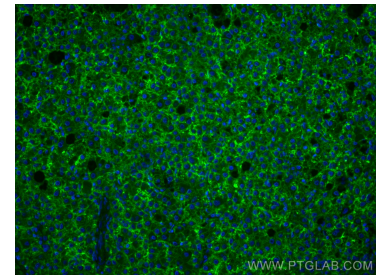
## Selected Validation Data



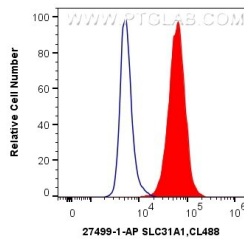
HT-29 cells were subjected to SDS PAGE followed by western blot with 27499-1-AP (SLC31A1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



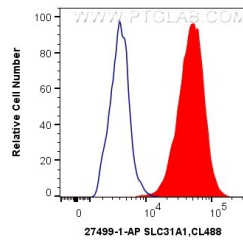
WB result of SLC31A1 antibody (27499-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SLC31A1 transfected HeLa cells.



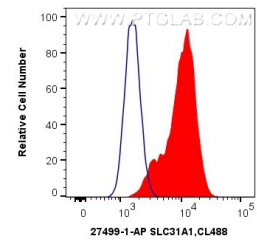
Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using SLC31A1 antibody (27499-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human SLC31A1 (27499-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1X10<sup>6</sup> Neuro-2a cells were intracellularly stained with 0.4 ug Anti-Human SLC31A1 (27499-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1X10<sup>6</sup> HeLa cells were surface stained with 0.4 ug Anti-Human SLC31A1 (27499-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were not fixed.