

For Research Use Only

# SLC7A1/CAT-1 Polyclonal antibody

Catalog Number: 14195-1-AP

Featured Product

35 Publications



## Basic Information

### Catalog Number:

14195-1-AP

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5398

### GenBank Accession Number:

BC063303

### GeneID (NCBI):

6541

### UNIPROT ID:

P30825

### Full Name:

solute carrier family 7 (cationic amino acid transporter, y+ system), member 1

### Calculated MW:

68 kDa

### Observed MW:

67-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF, ColP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, pig, canine

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : mouse liver tissue, Jurkat cells, HepG2 cells, rat brain/liver tissue, mouse heart tissue, rat liver tissue

**IHC** : human osteosarcoma tissue,

## Background Information

## Notable Publications

Author	Pubmed ID	Journal	Application
Ricardo A Cordova	36107759	Elife	WB
Shijing You	36131790	J Oncol	IHC,IF
Kohlhaas Christine F CF	21871446	Biochem Biophys 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

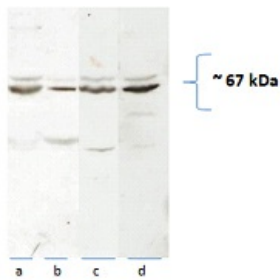
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

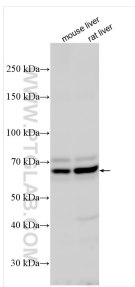
W: [ptgcn.com](http://ptgcn.com)

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

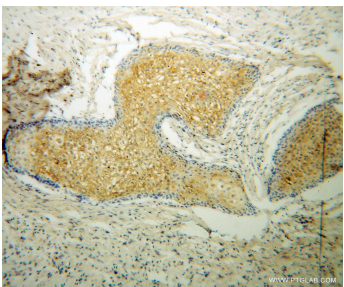
Selected Validation Data



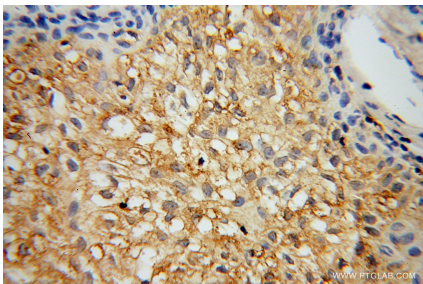
WB result of 14195-1-AP from Dilwar in Rat tissue. Rat brain (a), heart (b) liver (c) mitochondria and liver homogenate (d), (40 ug with 10% PAGE) probed with 1:1000 dilution.



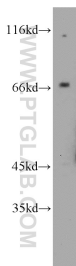
Various lysates were subjected to SDS PAGE followed by western blot with 14195-1-AP (SLC7A1/CAT-1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human osteosarcoma using 14195-1-AP (SLC7A1/CAT-1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human osteosarcoma using 14195-1-AP (CAT-1 antibody) at dilution of 1:100 (under 40x lens).



mouse liver tissue were subjected to SDS PAGE followed by western blot with 14195-1-AP (SLC7A1/CAT-1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.