

For Research Use Only

# ZnT7 Polyclonal antibody

Catalog Number: 13966-1-AP

10 Publications



## Basic Information

### Catalog Number:

13966-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 220 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4957

### GenBank Accession Number:

BC064692

### GeneID (NCBI):

148867

### UNIPROT ID:

Q8NEW0

### Full Name:

solute carrier family 30 (zinc transporter), member 7

### Calculated MW:

42 kDa

### Observed MW:

42 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, chicken

**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: C2C12 cells,

IHC: human lung cancer tissue,

IF/ICC: A431 cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
Masayuki Kaneko	25284286	J Neurosci Res	WB, IF
Qian Sun	25767260	Am J Physiol Gastrointest Liver Physiol	WB
Surapun Tepasamorndech	28469980	FEBS Open Bio	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

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

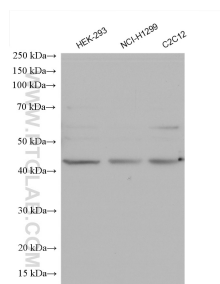
For technical support and original validation data for this product please contact:

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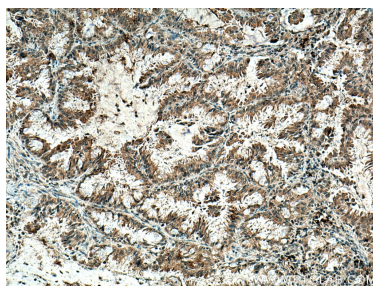
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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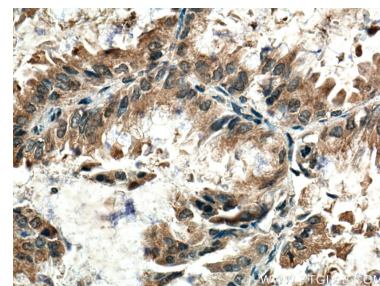
## Selected Validation Data



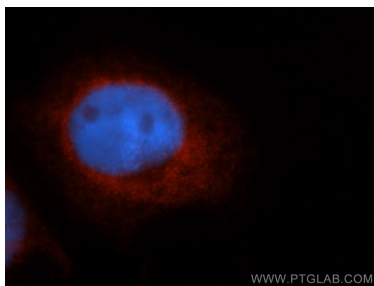
Various lysates were subjected to SDS PAGE followed by western blot with 13966-1-AP (ZnT7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13966-1-AP (ZnT7 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13966-1-AP (ZnT7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of A431 cells, using SLC30A7 antibody 13966-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).