

For Research Use Only

# TRNT1 Polyclonal antibody

Catalog Number: 31906-1-AP



## Basic Information

### Catalog Number:

31906-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG36149

### GenBank Accession Number:

BC012537

### GeneID (NCBI):

51095

### UNIPROT ID:

Q96Q11

### Full Name:

tRNA nucleotidyl transferase, CCA-adding, 1

### Calculated MW:

50 kDa

### Observed MW:

45 kDa

### Purification Method:

Antigen affinity Purification

### Recommended Dilutions:

WB 1:1000-1:8000

IF/ICC 1:500-1:2000

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB : A549 cells, HeLa cells, NIH/3T3 cells, mouse kidney tissue, rat kidney tissue

IF/ICC : HepG2 cells,

## Background Information

tRNA nucleotidyl transferase 1 (TRNT1, also known as CCA1, RPEM, SIFD, MtCCA, and CGI-47) is a cytosine-cytosine-adenine (CCA) - adding enzyme which belongs to the tRNA nucleotidyltransferase/poly (A) polymerase family. It can catalyze the addition of the conserved nucleotide triplet CCA to the 3' terminus of tRNA molecules (PMID: 27370603). Mutations in TRNT1 would cause congenital sideroblastic anemia with immunodeficiency, fevers, and developmental delay (SIFD) (PMID: 25193871).

## 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

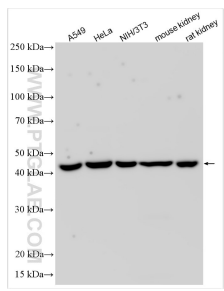
For technical support and original validation data for this product please contact:

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

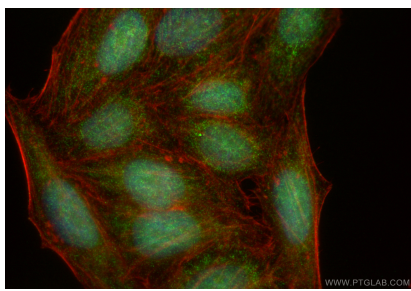
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31906-1-AP (TRNT1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TRNT1 antibody (31906-1-AP) at dilution of 1:1000 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).