

For Research Use Only

TRNT1 Polyclonal antibody

Catalog Number: 31906-1-AP



Basic Information

Catalog Number:

31906-1-AP

Size:

500 ug/ml

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

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

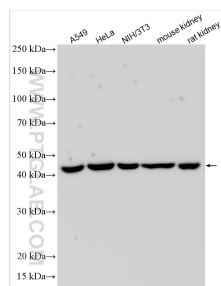
T: 4006900926

E: Proteintech-CN@ptglab.com

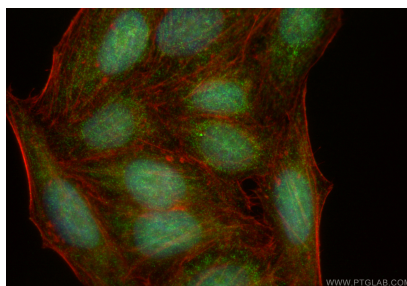
W: ptgcn.com

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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).