

For Research Use Only

# TSEN34 Recombinant antibody

Catalog Number: 84102-5-RR

Featured Product



## Basic Information

Catalog Number:

84102-5-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35120

GenBank Accession Number:

BC020805

GeneID (NCBI):

79042

UNIPROT ID:

Q9BSV6

Full Name:

tRNA splicing endonuclease 34  
homolog (S. cerevisiae)

Calculated MW:

34 kDa

Observed MW:

34-36 kDa

Purification Method:

Protein A purification

CloneNo.:

241155G4

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, MCF-7 cells, A431 cells, A549 cells,  
HeLa cells, HCT 116 cells, U2OS cells

IF/ICC : MCF-7 cells,

## Background Information

The human tRNA splicing endonuclease consists of a heterotetramer complex formed by the four TSEN proteins, which were identified by homology with their yeast counterparts. TSEN2 and TSEN34 are the catalytic subunits, which form a compound active site, whereas TSEN54 and TSEN15 are structural proteins. (PMID: 27392077)

## 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:

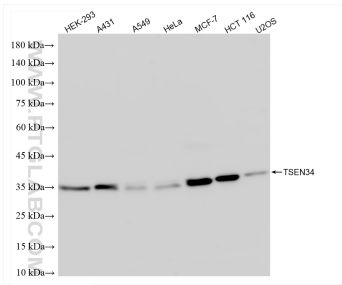
T: 4006900926

E: Proteintech-CN@ptglab.com

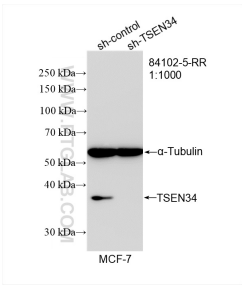
W: ptgcn.com

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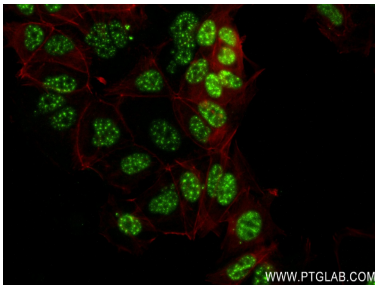
Selected Validation Data



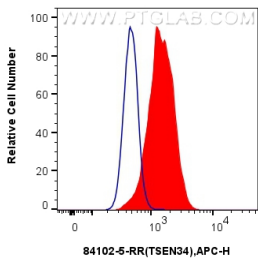
Various lysates were subjected to SDS PAGE followed by western blot with 84102-5-RR (TSEN34 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



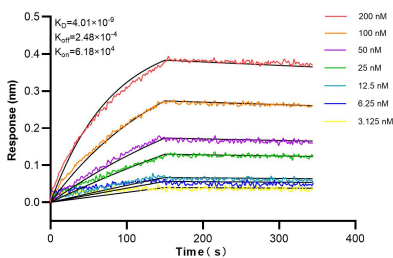
WB result of TSEN34 antibody (84102-5-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TSEN34 transfected MCF-7 cells.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using TSEN34 antibody (84102-5-RR, Clone: 241155G4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug TSEN34 Recombinant antibody (84102-5-RR, Clone:241155G4) and Multi-rAb CoraLite® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.



Biolayer interferometry (BLI) kinetic assays of 84102-5-RR against Human TSEN34 were performed. The affinity constant is 4.01 nM.