

For Research Use Only

# TSEN34 Recombinant antibody, PBS Only

Catalog Number: 84102-5-PBS

Featured Product



## Basic Information

Catalog Number:

84102-5-PBS

Concentration:

1 mg/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

## Applications

Tested Applications:

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

Species Specificity:

human

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

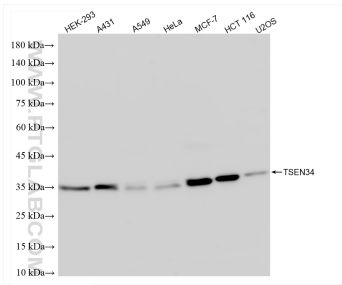
T: 4006900926

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

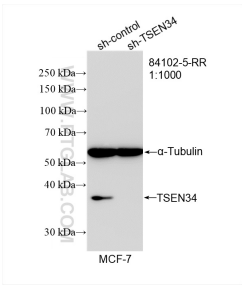
W: [ptgcn.com](http://ptgcn.com)

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

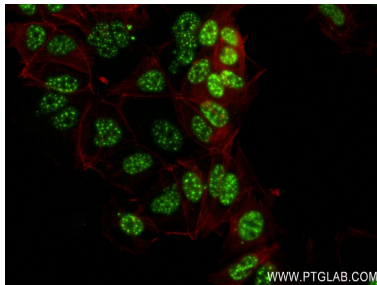
Selected Validation Data



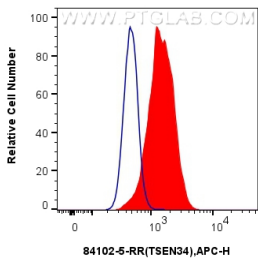
Various lysates were subjected to SDS PAGE followed by western blot with 84102-5-RR (TSEN34 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84102-5-PBS in a different storage buffer formulation.



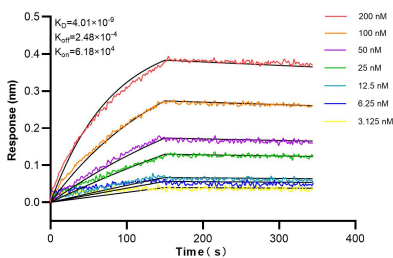
WB result of TSEN34 antibody (84102-5-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TSEN34 transfected MCF-7 cells. This data was developed using the same antibody clone with 84102-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84102-5-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 84102-5-PBS in a different storage buffer formulation.



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