

For Research Use Only

# TSG101 Polyclonal antibody

Catalog Number: 14497-1-AP

Featured Product

242 Publications



## Basic Information

### Catalog Number:

14497-1-AP

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5920

### GenBank Accession Number:

BC002487

### GeneID (NCBI):

7251

### UNIPROT ID:

Q99816

### Full Name:

tumor susceptibility gene 101

### Calculated MW:

44 kDa

### Observed MW:

46 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:1000-1:5000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:100-1:400

IF/ICC: 1:10-1:100

## Applications

### Tested Applications:

WB, IP, IF, IHC, ELISA

### Cited Applications:

WB, IHC, IF, IP, RIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, pig, rabbit, canine, monkey, bovine

**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: NIH/3T3 cells, HeLa cells

IP: HeLa cells,

IHC: human colon cancer tissue, human heart tissue

IF/ICC: HeLa cells,

## Background Information

TSG101(Tumor susceptibility gene 101 protein) is essential for endosomal sorting, membrane receptor degradation and the final stages of cytokinesis. It plays a crucial role for cell proliferation and cell survival. TSG101 has been identified as a candidate tumor suppressor gene and belongs to the ubiquitin-conjugating enzyme family. TSG101 is a marker for exosome. This protein has 2 isoforms produced by alternative splicing with the molecular mass of 44 and 32 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kristien Peeters	27686364	Ann Neurol	WB
Qiyun Yang	32986908	Andrologia	WB
Xin Xing	34592398	Int J Pharm	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

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

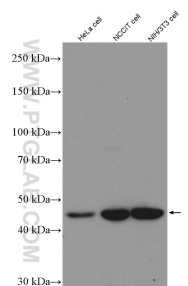
T: 4006900926

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

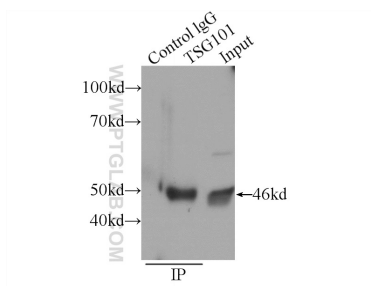
W: [ptgcn.com](http://ptgcn.com)

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

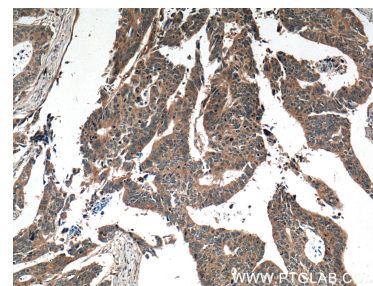
## Selected Validation Data



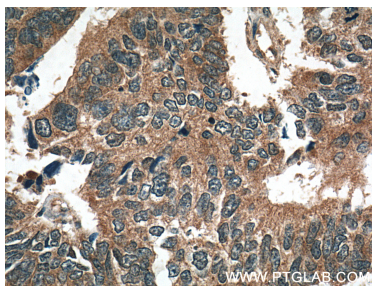
Various lysates were subjected to SDS PAGE followed by western blot with 14497-1-AP (TSG101 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



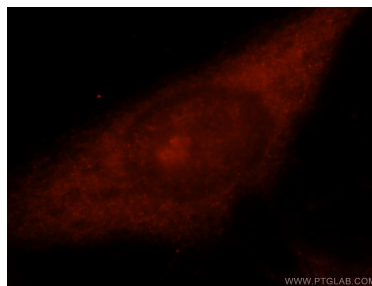
IP result of anti-TSG101 (IP:14497-1-AP, 3ug; Detection:14497-1-AP 1:500) with HeLa cells lysate 1320ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14497-1-AP (TSG101 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 colon cancer tissue slide using 14497-1-AP (TSG101 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells, using TSG101 antibody 14497-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).