

For Research Use Only

# TSG101 Polyclonal antibody

Catalog Number: 28283-1-AP

Featured Product

282 Publications



## Basic Information

### Catalog Number:

28283-1-AP

### Concentration:

700 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG28569

### GenBank Accession Number:

BC002487

### GeneID (NCBI):

7251

### UNIPROT ID:

Q99816

### Full Name:

tumor susceptibility gene 101

### Calculated MW:

44 kDa

### Observed MW:

44 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:10000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat, rabbit, monkey, chicken, goat

**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 : HeLa cells, Jurkat cells, K-562 cells, NIH/3T3 cells

IP : HeLa cells,

IHC : human lung cancer tissue, human colon cancer tissue, mouse brain 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
Xinyan Zhou	36171212	Nat Commun	WB
Hai Zhou	36206599	Biochem Biophys Res Commun	WB
Jingming Zhuang	36161709	Andrology	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:

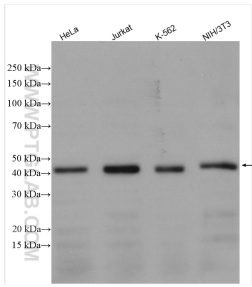
T: 4006900926

E: Proteintech-CN@ptglab.com

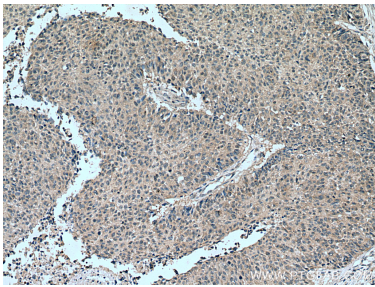
W: ptgcn.com

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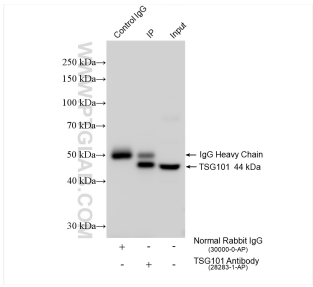
Selected Validation Data



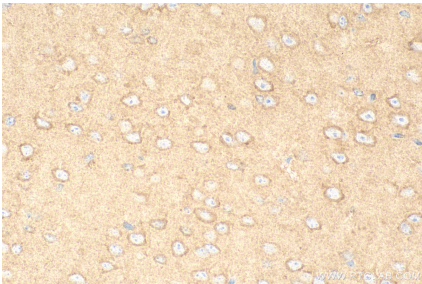
Various lysates were subjected to SDS PAGE followed by western blot with 28283-1-AP (TSG101 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



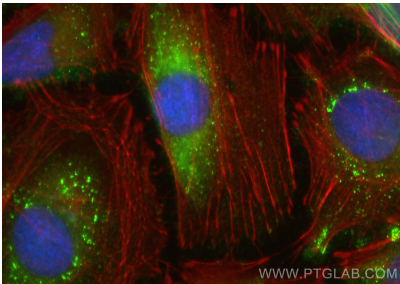
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 28283-1-AP (TSG101 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-TSG101 (IP:28283-1-AP, 4ug; Detection:28283-1-AP 1:2000) with HeLa cells lysate 1280 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28283-1-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 (-20°C Ethanol) fixed HeLa cells using TSG101 antibody (28283-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).