

TSG101 Monoclonal antibody

Catalog Number: 67381-1-Ig 21 Publications

Basic Information

| | | |
|---|---|---|
| Catalog Number: 67381-1-Ig | GenBank Accession Number: BC002487 | Purification Method: Protein G purification |
| Size: 1000 µg/ml | GeneID (NCBI): 7251 | CloneNo.: 2B7G8 |
| Source: Mouse | UNIPROT ID: Q99816 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF 1:1000-1:4000 |
| Isotype: IgG1 | Full Name: tumor susceptibility gene 101 | |
| Immunogen Catalog Number: AG28569 | Calculated MW: 44 kDa Observed MW: 43-46 kDa | |

Applications

| | |
|--|---|
| Tested Applications: FC, IF/ICC, IF-P, IHC, WB, ELISA | Positive Controls: WB : LNCaP cells, HSC-T6 cells, human urine exosomes tissue, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, C6 cells, NIH/3T3 cells IHC : human lung cancer tissue, human colon cancer tissue IF : HeLa cells, human colon cancer tissue |
| Cited Applications: WB | |
| Species Specificity: Human, Mouse, Rat | |
| Cited Species: human, rat, mouse | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

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 |
|--------------|-----------|--------------------|-------------|
| Zhaoyi Liang | 36210461 | Cell Mol Biol Lett | WB |
| Hang Yuan | 36276139 | Front Oncol | WB |
| Xiaolu Huang | 36426920 | J Clin Lab Anal | WB |

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:

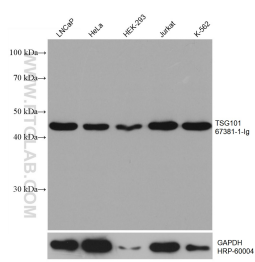
T: 4006900926

E: Proteintech-CN@ptglab.com

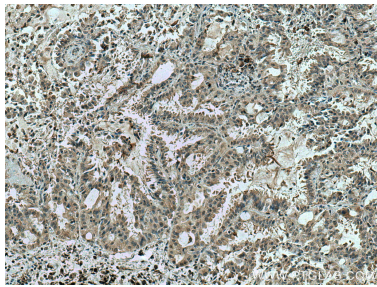
W: ptgcn.com

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

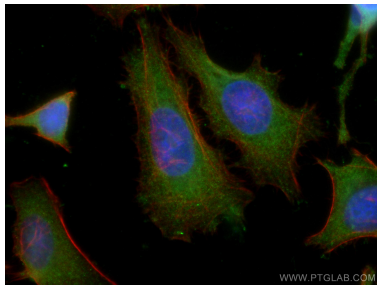
Selected Validation Data



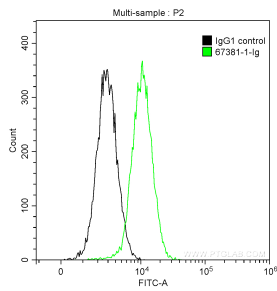
Various lysates were subjected to SDS PAGE followed by western blot with 67381-1-Ig (TSG101 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



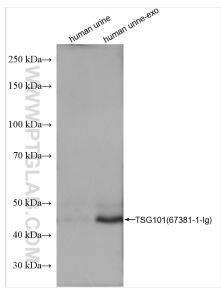
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67381-1-Ig (TSG101 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 67381-1-Ig (TSG101 antibody), at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ HeLa cells were stained with 0.5 ug Anti-Human TSG101 (67381-1-Ig, Clone:2B7G8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.5 ug Control Antibody. Cells were fixed with 90% MeOH.



human urine exosomes tissue were subjected to SDS PAGE followed by western blot with 67381-1-Ig (TSG101 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.