

For Research Use Only

# TSG101 Monoclonal antibody

Catalog Number: 67381-1-Ig **58 Publications**



## Basic Information

<b>Catalog Number:</b> 67381-1-Ig	<b>GenBank Accession Number:</b> BC002487	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7251	<b>CloneNo.:</b> 2B7G8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q99816	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:1000-1:4000 IF-P: 1:200-1:800 IF/ICC: 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> tumor susceptibility gene 101	
<b>Immunogen Catalog Number:</b> AG28569	<b>Calculated MW:</b> 44 kDa	
	<b>Observed MW:</b> 43-46 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IF-P, ELISA	<b>Positive Controls:</b> 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
<b>Cited Applications:</b> WB, IF, IP, CoIP	<b>IHC :</b> human lung cancer tissue, human colon cancer tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IF-P :</b> human colon cancer tissue,
<b>Cited Species:</b> human, mouse, rat, rabbit, monkey, oryctolagus cuniculus (rabbit)	<b>IF/ICC :</b> HeLa cells, human colon cancer tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

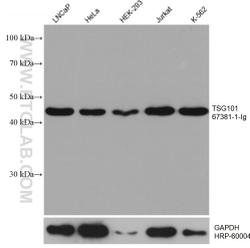
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

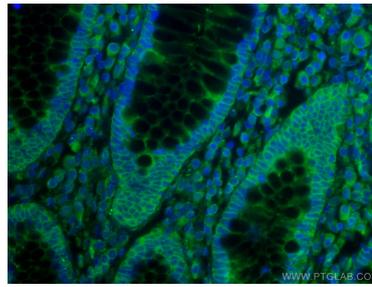
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

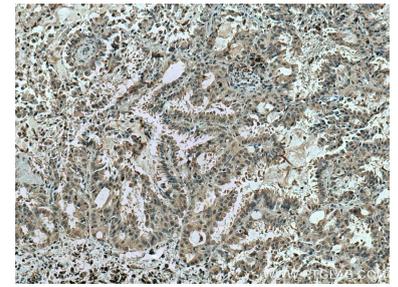
## Selected Validation Data



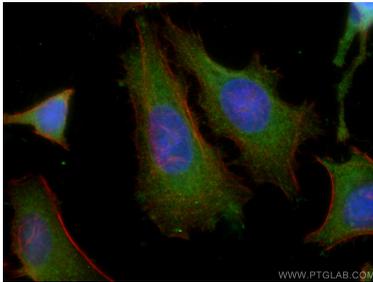
Various lysates were subjected to SDS PAGE followed by western blot with 67381-1-Ig (TSG101 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



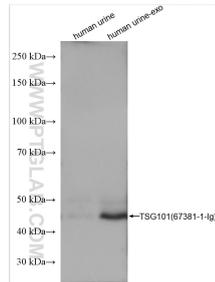
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using TSG101 antibody (67381-1-Ig, Clone: 2B7G8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



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 Goat Anti-Mouse IgG(H+L).



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.