

For Research Use Only

# TSG101 Monoclonal antibody

Catalog Number: 67381-1-Ig 58 Publications



## Basic Information

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

## Applications

Tested Applications:	WB, IHC, IF/ICC, IF-P, 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
Cited Applications:	WB, IF, IP, CoIP	IHC :	human lung cancer tissue, human colon cancer tissue
Species Specificity:	human, mouse, rat	IF-P :	human colon cancer tissue,
Cited Species:	human, mouse, rat, rabbit, monkey, oryctolagus cuniculus (rabbit)	IF/ICC :	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

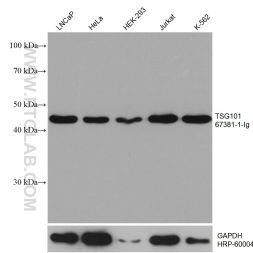
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

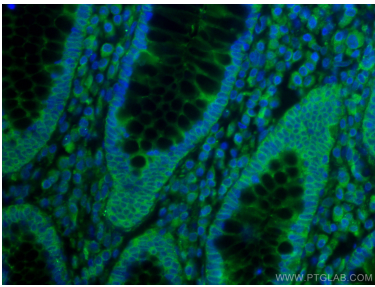
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

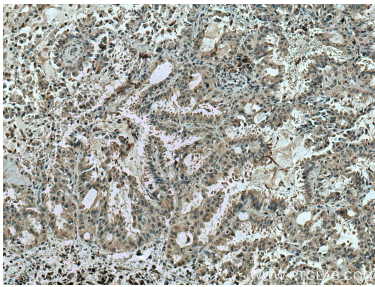
## Selected Validation Data



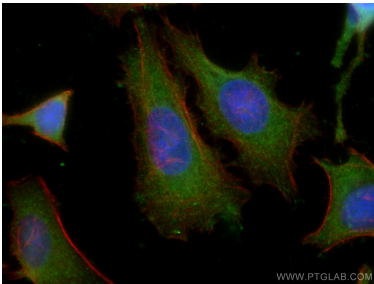
Various lysates were subjected to SDS PAGE followed by western blot with 67381-1-Ig (TSG101 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



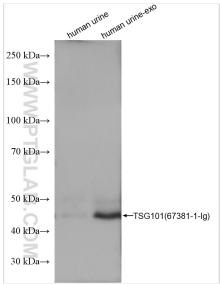
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using TSG101 antibody (67381-1-Ig, Clone: 2B7G8 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



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.