

For Research Use Only

TSG101 Polyclonal antibody

Catalog Number: 14497-1-AP

Featured Product

206 Publications



Basic Information

Catalog Number:

14497-1-AP

Size:

150ul, Concentration: 407 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5920

GenBank Accession Number:

BC002487

GeneID (NCBI):

7251

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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:100-1:400

IF 1:10-1:100

Applications

Tested Applications:

FC, IF, IHC, IP, WB, ELISA

Cited Applications:

FC, IF, IHC, IP, RIP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, pig, canine, 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 : 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

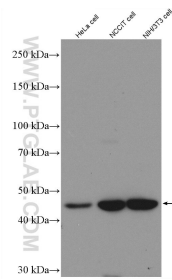
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

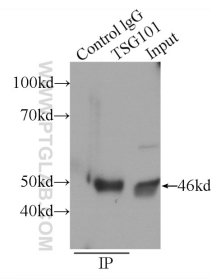
E: proteintech@ptglab.com
W: ptglab.com

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

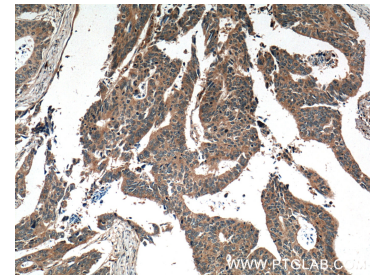
Selected Validation Data



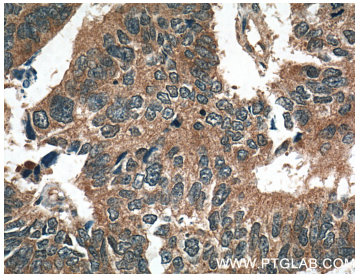
Various lysates were subjected to SDS PAGE followed by western blot with 14497-1-AP (TSG101 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



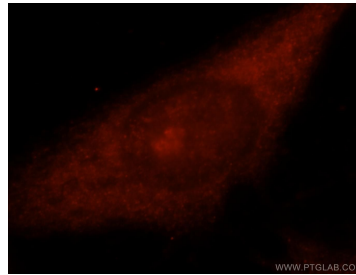
IP Result of anti-TSG101 (IP:14497-1-AP, 3ug; Detection:14497-1-AP 1:500) with HeLa cells lysate 1320ug.



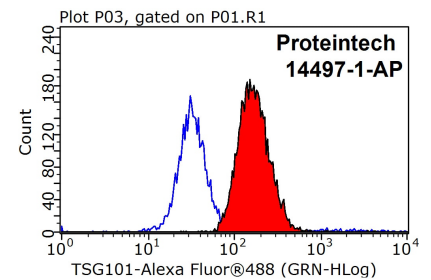
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14497-1-AP (TSG101 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1×10^6 HeLa cells were stained with 0.2ug TSG101 antibody (14497-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.