

For Research Use Only

TSG101 Polyclonal antibody

Catalog Number: 28283-1-AP

11 Publications



Basic Information

Catalog Number:

28283-1-AP

Size:

150ul, Concentration: 700 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28569

GenBank Accession Number:

BC002487

GeneID (NCBI):

7251

Full Name:

tumor susceptibility gene 101

Calculated MW:

44 kDa

Observed MW:

44 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

Human, Mouse

Cited Species:

human, mouse, rat

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

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
Xueqiang Peng	32949647	Biochim Biophys Acta Mol Cell Res	WB
Pengju Zhu	34495485	J Physiol Biochem	WB
Ming Yu	32895576	Nat Metab	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

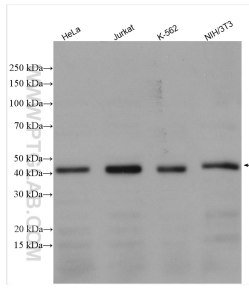
For technical support and original validation data for this product please contact:

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

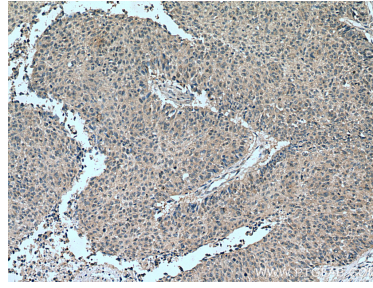
E: proteintech@ptglab.com
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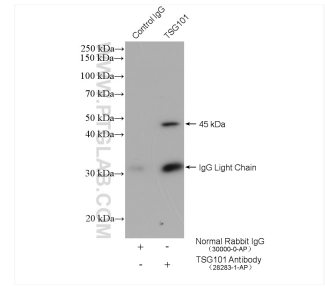
Selected Validation Data



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 1:500) with HeLa cells lysate 1600 ug.