

For Research Use Only

TSG101 Polyclonal antibody

Catalog Number: 28283-1-AP **41 Publications**



Basic Information

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| Catalog Number: 28283-1-AP | GenBank Accession Number: BC002487 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 7251 | Recommended Dilutions: WB 1:2000-1:16000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB |
| Source: Rabbit | Full Name: tumor susceptibility gene 101 | Calculated MW: 44 kDa |
| Isotype: IgG | Observed MW: 44 kDa | Immunogen Catalog Number: AG28569 |

Applications

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|---|--|
| Tested Applications: IHC, IP, WB, ELISA | Positive Controls: WB : HeLa cells, Jurkat cells, K-562 cells, NIH/3T3 cells |
| Cited Applications: WB | IP : HeLa cells, |
| Species Specificity: Human, Mouse | IHC : human lung cancer tissue, human colon cancer tissue |
| Cited Species: goat, 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

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 |
|---------------|-----------|-----------------------------------|-------------|
| Wang Xin | 34554399 | Mol Neurobiol | WB |
| Xueqiang Peng | 32949647 | Biochim Biophys Acta Mol Cell Res | WB |
| Pengju Zhu | 34495485 | J Physiol Biochem | WB |

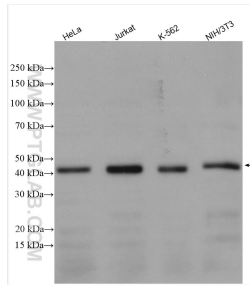
Storage

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

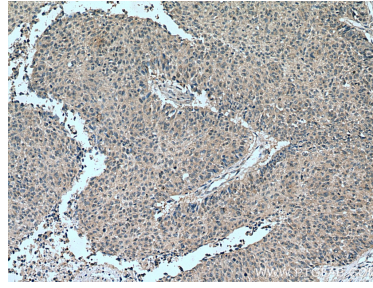
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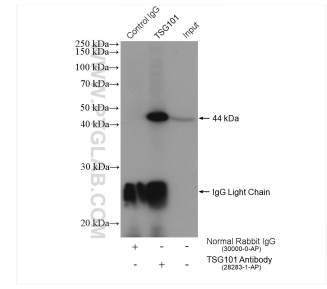
Selected Validation Data



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 1:2000) with HeLa cells lysate 1720 ug.