

# TSG101 Rabbit mAb

Catalog No: #49270

Package Size: #49270-1 50ul #49270-2 100ul

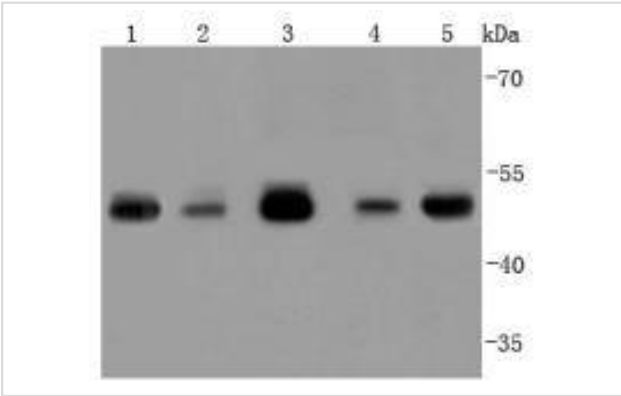
## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | TSG101 Rabbit mAb                                                                                                                                                                                                                                                                                                                                                                                                     |
| Host Species          | Recombinant Rabbit                                                                                                                                                                                                                                                                                                                                                                                                    |
| Clonality             | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clone No.             | JJ0900                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purification          | ProA affinity purified                                                                                                                                                                                                                                                                                                                                                                                                |
| Applications          | WB, ICC/IF, IHC, FC                                                                                                                                                                                                                                                                                                                                                                                                   |
| Species Reactivity    | Hu, Ms, Rt                                                                                                                                                                                                                                                                                                                                                                                                            |
| Immunogen Description | recombinant protein                                                                                                                                                                                                                                                                                                                                                                                                   |
| Conjugates            | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                          |
| Other Names           | ESCRT I complex subunit TSG101 antibody ESCRT-I complex subunit TSG101 antibody TS101_HUMAN antibody TSG 10 antibody TSG 101 antibody TSG10 antibody Tsg101 antibody Tumor susceptibility gene 10 antibody Tumor susceptibility gene 101 antibody Tumor susceptibility gene 101 protein antibody Tumor susceptibility protein antibody Tumor susceptibility protein isoform 3 antibody VPS 23 antibody VPS23 antibody |
| Accession No.         | Swiss-Prot#:Q99816                                                                                                                                                                                                                                                                                                                                                                                                    |
| Calculated MW         | 44 kDa                                                                                                                                                                                                                                                                                                                                                                                                                |
| Formulation           | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.                                                                                                                                                                                                                                                                                                                                                  |
| Storage               | Store at -20°C                                                                                                                                                                                                                                                                                                                                                                                                        |

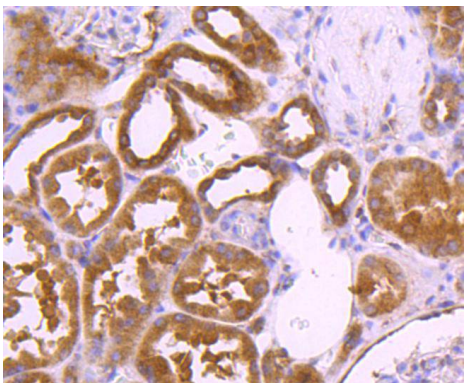
## Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:100-1:500FC: 1:50-1:100

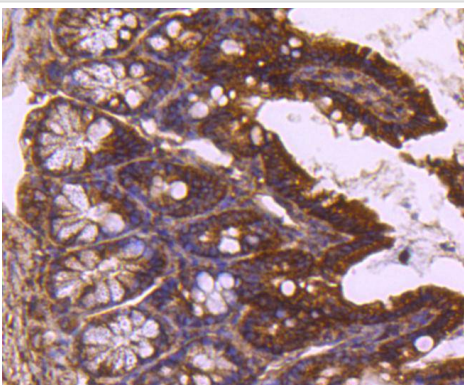
## Images



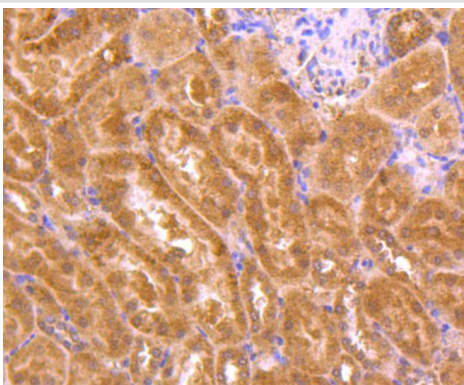
Western blot analysis of TSG101 on different lysates using anti-TSG101 antibody at 1/1,000 dilution. Positive control:  
Lane 1: NIH/3T3      Lane 2: Hela Lane 3: K562      Lane 4: Jurkat Lane 5: A431



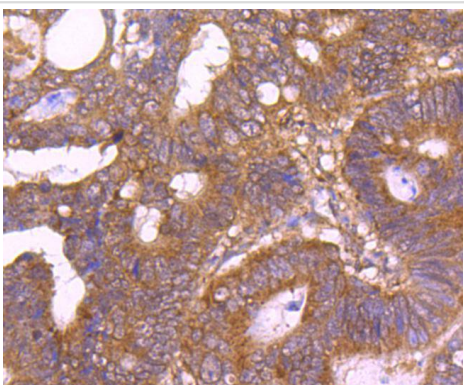
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-TSG101 antibody. Counter stained with hematoxylin.



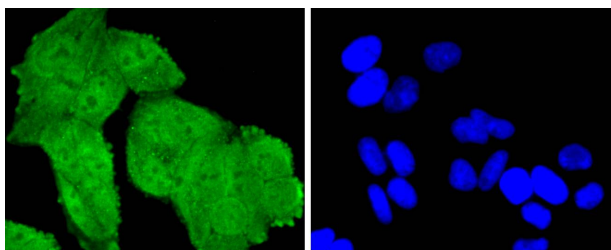
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-TSG101 antibody. Counter stained with hematoxylin.



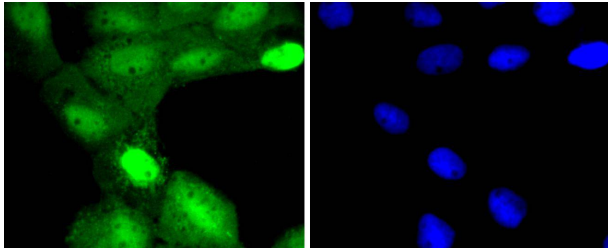
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-TSG101 antibody. Counter stained with hematoxylin.



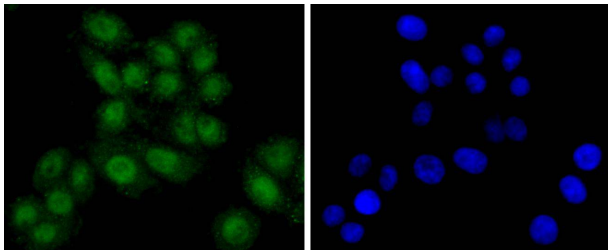
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-TSG101 antibody. Counter stained with hematoxylin.



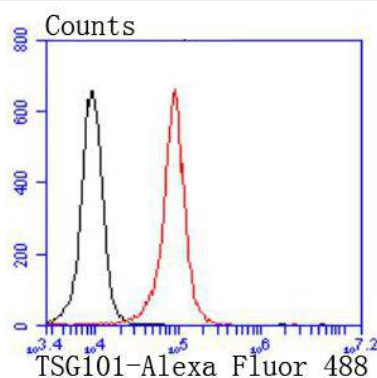
ICC staining TSG101 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TSG101 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TSG101 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of K562 cells with TSG101 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

## Background

The transformation of a normal cell to one that is malignant can result from mutations in genes that encode proteins with key regulatory functions. Examples include the retinoblastoma gene product (Rb p110), p53, VHL and APC. Using a novel cloning strategy that allows the isolation of previously uncharacterized genes encoding selectable recessive phenotypes, an additional tumor suppressor gene has been identified. This gene, termed tsg 101 for tumor susceptibility gene 101, encodes a stathmin binding domain protein. When expression of this growth inhibitory gene is blocked in NIH/3T3 cells using antisense mRNA, the cells exhibit a transformed phenotype and are tumorigenic in SL6 mice.

## References

## Published Papers

el at., Identification of the key exosomal lncRNAs/mRNAs in the serum during distraction osteogenesis. In J Orthop Surg Res on 2022 May 28 by Tao Zhang, Weidong Jiang,et al..PMID: 35643547, , (2022)

[PMID:35643547](#)

el at., Differential traits between microvesicles and exosomes in enterovirus infectionInMedCommOn2023 Sep 24byYuxuan Fu?1,?Sidong Xiong et al..PMID: 37752943, , (2023)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.