

Product Datasheet

TSG101 Antibody (JJ0900)

NBP2-67884

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-67884

TSG101 Antibody (JJ0900)

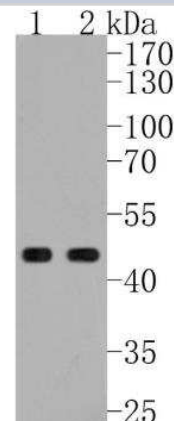
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JJ0900
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	7251
Gene Symbol	TSG101
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human TSG101 aa 24-73 / 390. (SwissProt: Q99816 Human; SwissProt: Q61187 Mouse; SwissProt: Q6IRE4 Rat)

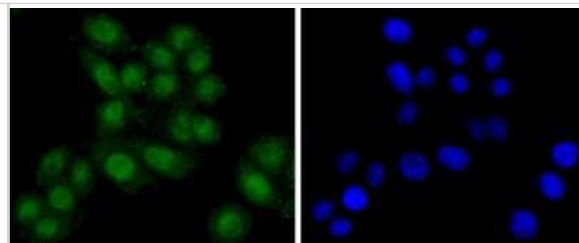
Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1:2,000, Simple Western Reactivity reported in (PMID: 32443895) , Flow Cytometry 1:1,000, Immunohistochemistry 1:50-1:1,000, Immunocytochemistry/ Immunofluorescence IF-Cell-1:200, IF-Tissue-1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:1,000, Knockdown Validated

Images

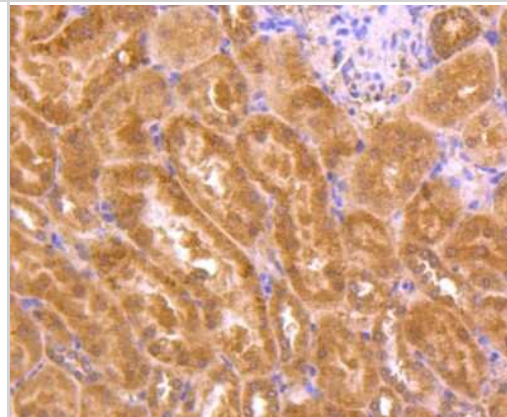
Western Blot: TSG101 Antibody (JJ0900) [NBP2-67884] - Analysis of TSG101 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: NIH/3T3 cell lysate Lane 2: Hela cell lysate



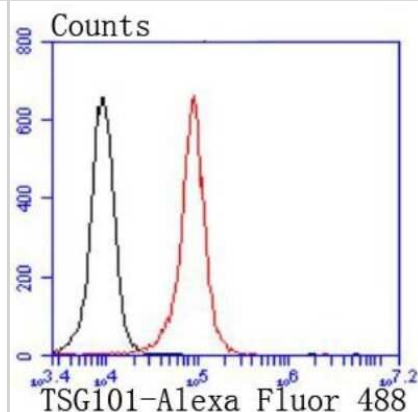
Immunocytochemistry/Immunofluorescence: TSG101 Antibody (JJ0900) [NBP2-67884] - Staining TSG101 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



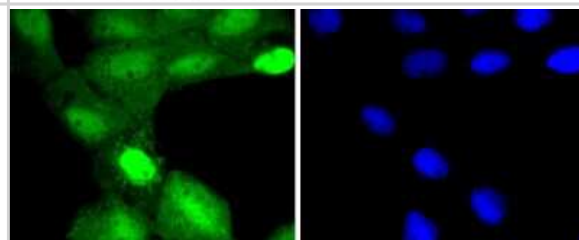
Immunohistochemistry-Paraffin: TSG101 Antibody (JJ0900) [NBP2-67884] - Analysis of paraffin-embedded mouse kidney tissue using anti-TSG101 antibody. Counter stained with hematoxylin.



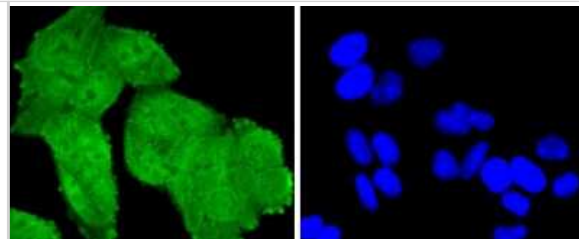
Flow Cytometry: TSG101 Antibody (JJ0900) [NBP2-67884] - Analysis of K562 cells with TSG101 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



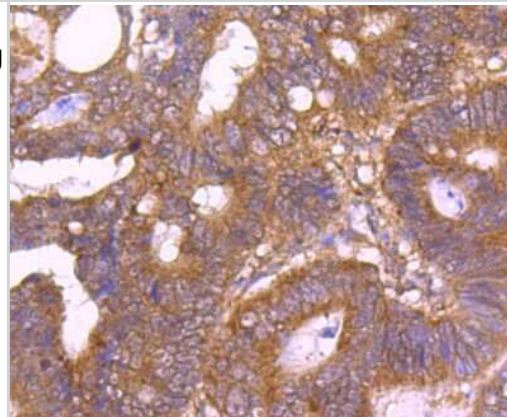
Immunocytochemistry/Immunofluorescence: TSG101 Antibody (JJ0900) [NBP2-67884] - Staining TSG101 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



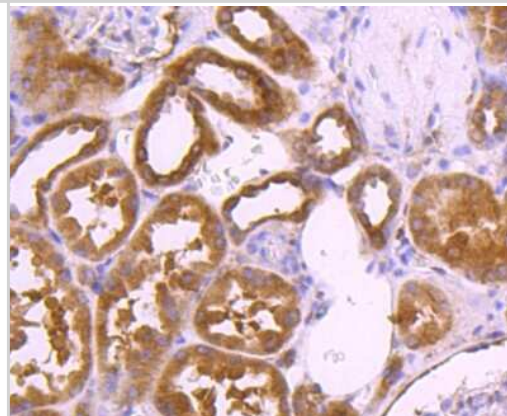
Immunocytochemistry/Immunofluorescence: TSG101 Antibody (JJ0900) [NBP2-67884] - Staining TSG101 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



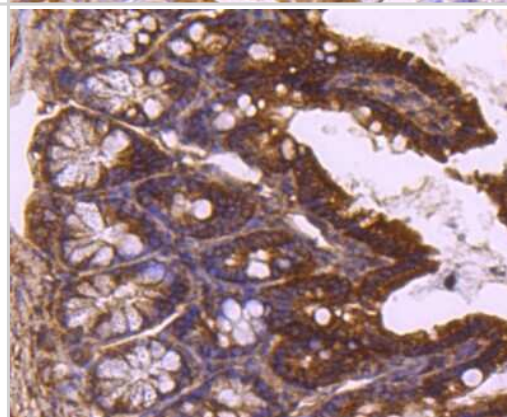
Immunohistochemistry-Paraffin: TSG101 Antibody (JJ0900) [NBP2-67884] - Analysis of paraffin-embedded human colon cancer tissue using anti-TSG101 antibody. Counter stained with hematoxylin.



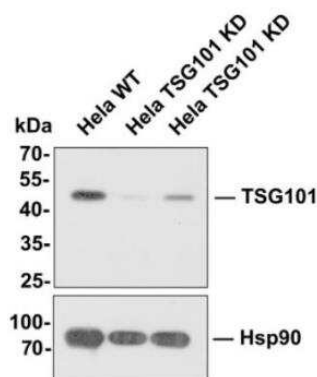
Immunohistochemistry-Paraffin: TSG101 Antibody (JJ0900) [NBP2-67884] - Analysis of paraffin-embedded human kidney tissue using anti-TSG101 antibody. Counter stained with hematoxylin.



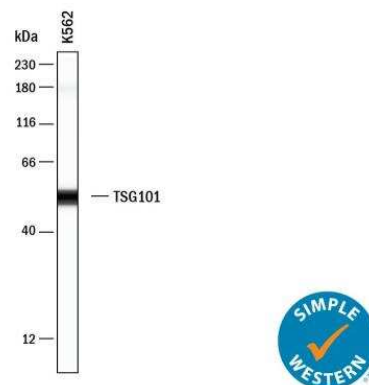
Immunohistochemistry-Paraffin: TSG101 Antibody (JJ0900) [NBP2-67884] - Analysis of paraffin-embedded mouse colon tissue using anti-TSG101 antibody. Counter stained with hematoxylin.



Knockdown Validated: TSG101 Antibody (JJ0900) [NBP2-67884] - Analysis of TSG101 with anti-TSG101 antibody [JJ0900] at 1:500 dilution. Lane 1: Wild-type HeLa whole cell lysate (10 ug). Lane 2/3: TSG101 knockdown HeLa whole cell lysate (10 ug). NBP2-67884 was shown to specifically react with TSG101 in wild-type HeLa cells. Weakened bands were observed when TSG101 knockdown samples were tested. Wild-type and TSG101 knockdown samples were subjected to SDS-PAGE. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM in TBST for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG-HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.



Simple Western: TSG101 Antibody (JJ0900) [NBP2-67884] - Simple Western Lane view shows K562 whole cell lysate (WCL). A specific band was detected for TSG101 antibody (NBP2-67884) at approximately 53 kDa (as indicated) using 1:50 ug/mL of TSG101 antibody. This experiment was conducted under reducing conditions.



Publications

Brambilla D, Panico F, Unlu M, Chiari M Sequential separation and profiling of extracellular vesicles using antibody-aptamer conjugates ChemRxiv 2023-11-29 (WB, Human)

Haney MJ, Zhao Y, Jin YS, Batrakova EV Extracellular Vesicles as Drug Carriers for Enzyme Replacement Therapy to Treat CLN2 Batten Disease: Optimization of Drug Administration Routes Cells 2020-05-20 [PMID: 32443895] (Simple Western, Mouse)

Haney, MJ;Klyachko, NL;Harrison, EB;Zhao, Y;Kabanov, AV;Batrakova, EV; TPP1 Delivery to Lysosomes with Extracellular Vesicles and their Enhanced Brain Distribution in the Animal Model of Batten Disease Adv Healthc Mater 2019-04-18 [PMID: 30997751] (WB, Mouse)



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Products Related to NBP2-67884

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00007251-P01-2ug	Recombinant Human TSG101 GST (N-Term) Protein

Limitations

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