

Product Datasheet

TSG101 Antibody - BSA Free NBP1-80659

Unit Size: 0.1 ml

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

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NBP1-80659

TSG101 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

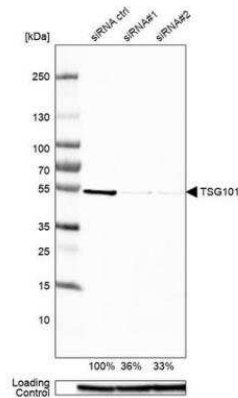
Product Description	
Host	Rabbit
Gene ID	7251
Gene Symbol	TSG101
Species	Human, Mouse, Rat
Marker	Exosome Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: RMKEEMDRAQAELNALKRTEEDLKKGHQKLEEMVTRLDQEVAEVDKNIELLKK KDEELSSALEKMENQSENNDIDEVIIPTAPLYKQILNLYAEENAIEDTIFYLGEALR RGVIDLDVFLKHVRLLS

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:50, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization, Use PFA/Triton X-100. See Simple Western Antibody Database for Simple Western validation: Tested in Typical EV marker, antibody dilution of 1:50

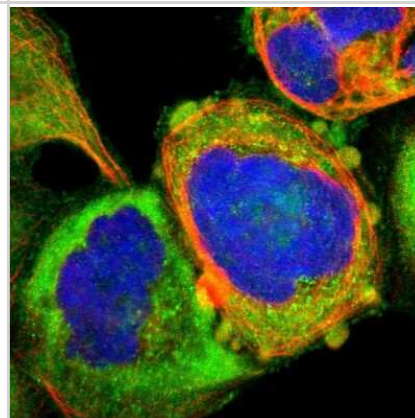


Images

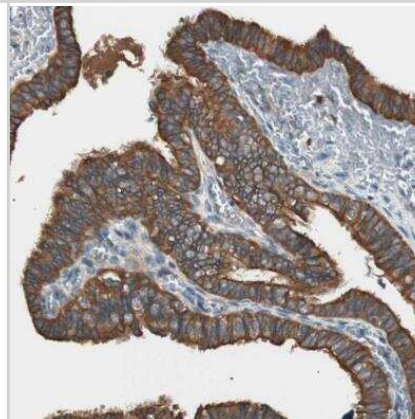
Western Blot: TSG101 Antibody [NBP1-80659] - Analysis in MCF-7 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-TSG101 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



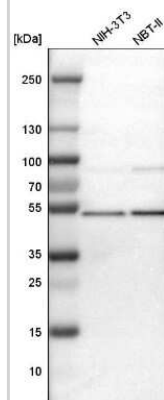
Immunocytochemistry/Immunofluorescence: TSG101 Antibody [NBP1-80659] - Staining of human cell line A-431 shows localization to plasma membrane & cytosol. Antibody staining is shown in green.



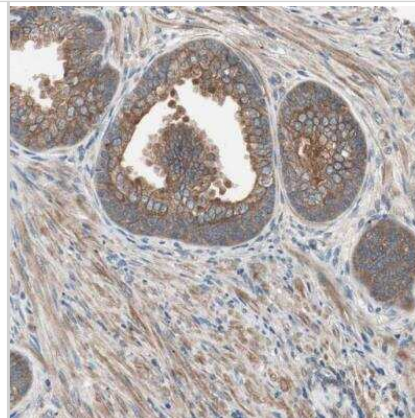
Immunohistochemistry-Paraffin: TSG101 Antibody [NBP1-80659] - Staining of human fallopian tube shows strong cytoplasmic positivity in glandular cells.



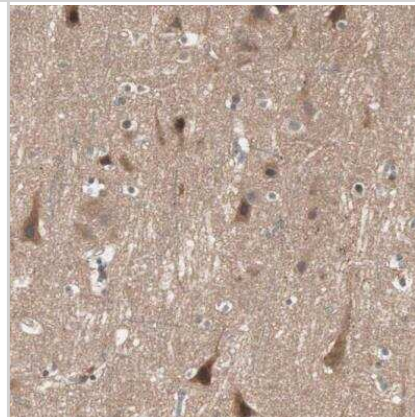
Western Blot: TSG101 Antibody [NBP1-80659] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



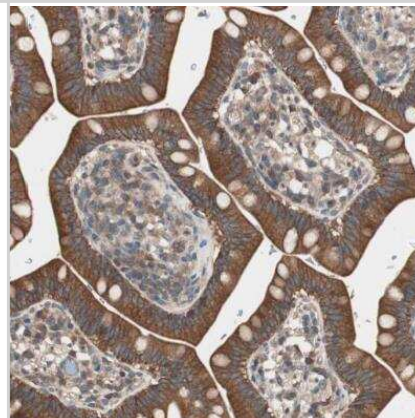
Immunohistochemistry-Paraffin: TSG101 Antibody [NBP1-80659] - Staining of human prostate shows moderate cytoplasmic positivity in glandular and in smooth muscle cells.



Immunohistochemistry-Paraffin: TSG101 Antibody [NBP1-80659] - Staining of human cerebral cortex shows moderate cytoplasmic positivity in neurons.



Immunohistochemistry-Paraffin: TSG101 Antibody [NBP1-80659] - Staining of human small intestine shows strong cytoplasmic positivity in glandular cells.



Publications

Zar M, Campodonico J, Cosentino N et al. Plasma Exosome Profile in ST-Elevation Myocardial Infarction Patients with and without Out-of-Hospital Cardiac Arrest International Journal of Molecular Sciences 2021-07-28 [PMID: 34360827]

Majewska A, Brodaczevska K, Filipiak-Duliban A et al. miRNA Pattern in Hypoxic Microenvironment of Kidney Cancer-Role of PTEN Biomolecules 2022-05-11 [PMID: 35625614]

Jiao W, Hao J, Liu JM et al. Mesenchymal stem cells-derived extracellular vesicle-incorporated H19 attenuates cardiac remodeling in rats with heart failure The Kaohsiung journal of medical sciences 2023-10-27 [PMID: 37885317] (Western Blot, Rat)

Carotenuto P, Romano A, Barbato A et al. Targeting the MITF/APAF-1 axis as salvage therapy for MAPK inhibitors in resistant melanoma Cell reports 2022-11-08 [PMID: 36351409] (WB, ICC/IF, Human)

Kim EJ, Kim JY, Kim SO et al. The oncogenic JAG1 intracellular domain is a transcriptional cofactor that acts in concert with DDX17/SMAD3/TGIF2 Cell reports 2022-11-22 [PMID: 36417870] (WB, Human)

Hua Y, Dai C, He Q Et al. Autoantibody panel on small extracellular vesicles for the early detection of lung cancer Clin Immunol 2022-11-10 [PMID: 36356847] (WB, Human)

Details:

Citation using the PE version of this antibody.

Pauwels MJ, Xie J, Ceroi A et al. Choroid plexus-derived extracellular vesicles exhibit brain targeting characteristics Biomaterials 2022-11-01 [PMID: 36302306] (WB, Mouse)

Vandendriessche C, Balusu S, Van Cauwenberghe C Et al. Importance of extracellular vesicle secretion at the blood-cerebrospinal fluid interface in the pathogenesis of Alzheimer's disease Acta neuropathologica communications 2021-08-23 [PMID: 34425919] (WB, Mouse)

Millan C, Prause L, Vallmajo-Martin Q et al. Extracellular Vesicles from 3D Engineered Microtissues Harbor Disease-Related Cargo Absent in EVs from 2D Cultures Advanced healthcare materials 2021-04-22 [PMID: 33890421]

Pospichalova V, Svoboda J, Dave Z et al. Simplified protocol for flow cytometry analysis of fluorescently labeled exosomes and microvesicles using dedicated flow cytometer. J Extracell Vesicles 2015-01-01 [PMID: 25833224] (WB)

Gross JC, Chaudhary V, Bartscherer K, Boutros M. Active Wnt proteins are secreted on exosomes. Nat Cell Biol 2012-10-01 [PMID: 22983114]





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Products Related to NBP1-80659

NBP1-80659PEP	TSG101 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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