

Product name:	TGS101
Cat number:	MAB-94384
Conjugate:	Unconjugated
Size:	100 ug
Clone:	IDG-20
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthesized peptide derived from human TSG101
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500-1:2000 Immunohistochemistry: 1:50-1:200 ICC/IF 1:50-1:200 Flow Cytometry 1:50
Molecular Weight:	43kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store for short term at 4-8°C .At -20°C for longer term. Avoid freeze / thaw cycles.
Background:	Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Binds to ubiquitinated cargo proteins and is required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies (MVBs). Mediates the association between the ESCRT-0 and ESCRT-I complex. Required for completion of cytokinesis; the function requires CEP55. May be involved in cell growth and differentiation. Acts as a negative growth regulator. Involved in the budding of many viruses through an interaction with viral proteins that contain a late-budding motif P-[ST]-A-P. This interaction is essential for viral particle budding of numerous retroviruses..Subcellular Localization: Cytoplasm. Membrane; Peripheral membrane protein. Nucleus. Late endosome membrane; Peripheral membrane protein. Mainly cytoplasmic.Membrane-associated when active and soluble when inactive. Depending on the stage of the cell cycle, detected in the nucleus. Colocalized with CEP55 in the midbody during cytokinesis.



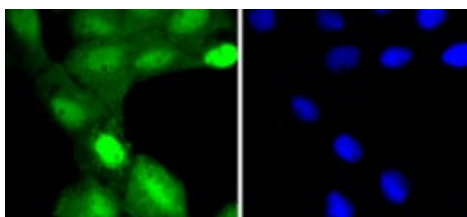
Western blot analysis of TSG101

expression in Jurkat cell lysate

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. 50ug of sample was loaded each lane under reducing conditions.

After Electrophoresis, proteins were transferred to a NC at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was

incubated overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10,000 for 1.5 hour at RT. ECL West Pico Plus with Tanon 5200 system.



IF analysis of immunocytochemical section of A431 cell using anti- TSG101 antibody

Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2µg/mL rabbit anti- TSG101 Antibody overnight at 4°C. AF488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label use