

## Anti-TSG101 Antibody (6P67)

### Product Details

Ig Type:	IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6P67
Purification:	Protein G purified

### Applications

Verified Activity:	<ol style="list-style-type: none"><li>Western Blot<ul style="list-style-type: none"><li>-Positive WB detected in: Hela whole cell lysate, MCF-7 whole cell lysate</li><li>-All lanes: TSG101 antibody at 1:500</li><li>-Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution</li><li>-Predicted band size: 44, 32 KDa</li><li>-Observed band size: 44 KDa</li><li>-Exposure time:5min</li></ul></li><li>Immunofluorescence staining of U251 cells with TMAH-01216 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).</li><li>Overlay Peak curve showing U251 cells stained with TMAH-01216 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10<sup>6</sup>cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10<sup>6</sup>cells) used under the same conditions. Acquisition of &gt;10,000 events was performed.</li></ol>
Application:	ELISA, WB, IF, FCM

### Properties

Purity:	>95%
Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: Human TSG101 Protein (1-145AA)
Antigen Species:	Human
Gene ID:	7251
Uniprot ID:	Q99816
Biology Area:	Immunology

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### Research 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. Required for the exosomal release of SDCBP, CD63 and syndecan. It may also play a role in the extracellular release of microvesicles that differ from the exosomes.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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