

### Anti-TSG101 Antibody

Rabbit Anti Human Polyclonal Antibody Catalog # ALS18331

### Specification

# Anti-TSG101 Antibody - Product Information

Application Primary Accession Predicted Host Clonality Isotype Calculated MW WB, IHC-P <u>Q99816</u> Human, Mouse, Rat Rabbit Polyclonal IgG 43944

### Anti-TSG101 Antibody - Additional Information

Gene ID 7251

Alias Symbol **TSG101** Other Names TSG101, ESCRT-I complex subunit TSG101, Tumor susceptibility gene 10, Tumor susceptibility protein, VPS23, Tumor susceptibility gene 101, TSG10

Target/Specificity Human TSG101

Reconstitution & Storage Affinity purified

**Precautions** Anti-TSG101 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Anti-TSG101 Antibody - Protein Information

Name TSG101

#### Function

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 (PubMed:<a href="http://www.uniprot.org/citations/22660413" target="\_blank">22660413</a>). It may also play a role in the extracellular release of microvesicles that differ from the exosomes (PubMed:<a



href="http://www.uniprot.org/citations/22315426" target="\_blank">22315426</a>).

**Cellular Location** 

Cytoplasm. Early endosome membrane; Peripheral membrane protein; Cytoplasmic side. Late endosome membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Midbody, Midbody ring. Nucleus. Note=Mainly cytoplasmic. Membrane- associated when active and soluble when inactive. Nuclear localization is cell cycle-dependent. Interaction with CEP55 is required for localization to the midbody during cytokinesis

**Tissue Location** Heart, brain, placenta, lung, liver, skeletal, kidney and pancreas

### Anti-TSG101 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-TSG101 Antibody - Images