

**TSG101 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8662b**

**Specification**

---

**TSG101 Antibody - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">O99816</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>monoclonal</b>
Isotype	<b>IgG1,<math>\kappa</math></b>

**TSG101 Antibody - Additional Information**

**Gene ID** 7251

**Other Names**

Tumor susceptibility gene 101 protein, ESCRT-I complex subunit TSG101, TSG101

**Target/Specificity**

This antibody is generated from a mouse immunized with a recombinant protein from human.

**Dilution**

WB~~1:2000

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TSG101 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**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:[22660413](#)). It may also play a role in the extracellular release of microvesicles that differ from the exosomes (PubMed:[22315426](#)).

#### 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

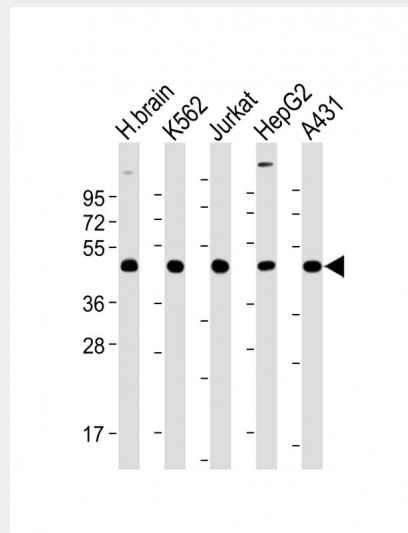
Heart, brain, placenta, lung, liver, skeletal, kidney and pancreas

### 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 Cytometry](#)
- [Cell Culture](#)

### TSG101 Antibody - Images



All lanes : Anti-TSG101 at 1:2000 dilution Lane 1: Human brain lysate Lane 2: K562 whole cell lysate Lane 3: Jurkat whole cell lysate Lane 4: HepG2 whole cell lysate Lane 5: A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### TSG101 Antibody - 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.

#### **TSG101 Antibody - References**

Li L.,et al.Cell 88:143-154(1997).  
Li L.,et al.Cell 93:661-661(1998).  
Gayther S.A.,et al.Oncogene 15:2119-2126(1997).  
Lee M.P.,et al.Cancer Res. 57:3131-3134(1997).  
Wagner K.-U.,et al.Oncogene 17:2761-2770(1998).

#### **TSG101 Antibody - Citations**

- [A Novel Urine Exosomal lncRNA Assay to Improve the Detection of Prostate Cancer at Initial Biopsy: A Retrospective Multicenter Diagnostic Feasibility Study](#)