

**TSG101 Antibody (clone 5B7)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14166****Specification**

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**TSG101 Antibody (clone 5B7) - Product Information**

Application	WB, IF, IHC
Primary Accession	<a href="#">Q99816</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	44kDa KDa

**TSG101 Antibody (clone 5B7) - Additional Information****Gene ID** 7251**Other Names**

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

**Target/Specificity**

Human TSG101

**Reconstitution & Storage**

Long term: -20°C; Short term: -20°C

**Precautions**

TSG101 Antibody (clone 5B7) is for research use only and not for use in diagnostic or therapeutic procedures.

**TSG101 Antibody (clone 5B7) - 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**

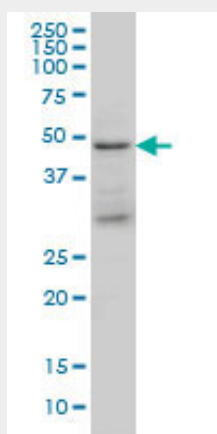
Heart, brain, placenta, lung, liver, skeletal, kidney and pancreas

#### **TSG101 Antibody (clone 5B7) - Protocols**

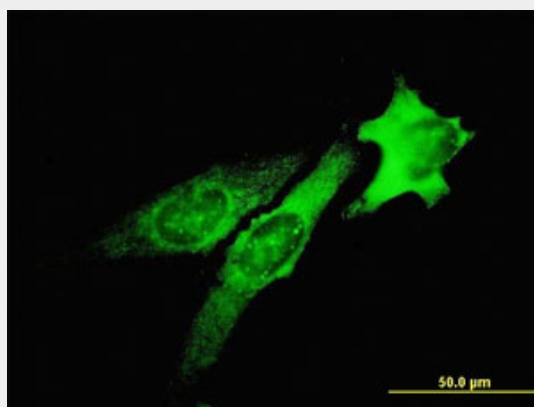
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

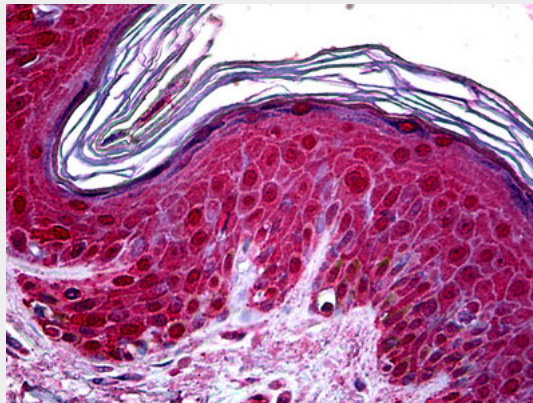
#### **TSG101 Antibody (clone 5B7) - Images**



TSG101 monoclonal antibody clone 5B7 Western blot of TSG101 expression in K-562.



Immunofluorescence of monoclonal antibody to TSG101 on HeLa cell. [antibody concentration 10 ug/ml]



Anti-TSG101 antibody IHC of human skin.

### **TSG101 Antibody (clone 5B7) - Background**

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### **TSG101 Antibody (clone 5B7) - 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).