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TSG101 Antibody
Rabbit mAb
Catalog # AP90984

Specification

TSG101 Antibody - Product Information

Application	**WB, IHC, FC, ICC**
Primary Accession	Q99816
Reactivity	**Rat**
Clonality	**Monoclonal**

Other Names
TSG101; ESCRT-I complex subunit TSG101; Tumor susceptibility gene 10; Tumor susceptibility protein; VPS23; TSG10;

Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**43944 Da**

TSG101 Antibody - Additional Information

Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human TSG101**
Description	**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.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

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

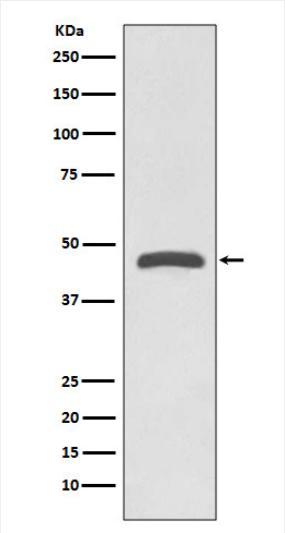
Tissue Location
Heart, brain, placenta, lung, liver, skeletal, kidney and pancreas

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 Cytomety
- Cell Culture

TSG101 Antibody - Images



Western blot analysis of TSG101 expression in Jurkat cell lysate.