10320 Camino Santa Fe, Suite G
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TSG101 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8662b

Specification

TSG101 Antibody - Product Information

Application	**WB,E**
Primary Accession	Q99816
Reactivity	**Human**
Host	**Mouse**
Clonality	**monoclonal**
Isotype	**IgG1,κ**

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
E~~Use at an assay dependent concentration.

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

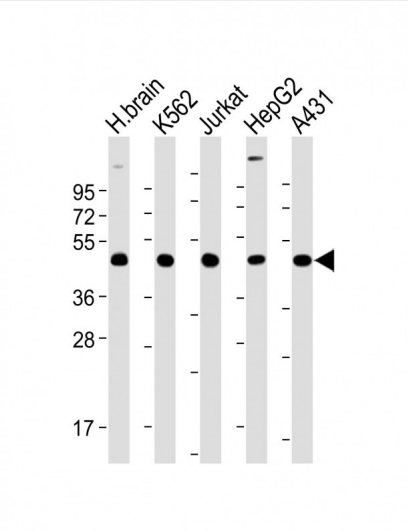
Tissue Location
Heart, brain, placenta, lung, liver, skeletal, kidney and pancreas

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 Cytomety
- 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.

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TSG101 Antibody - Background

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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