

# TSG101 antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI11181

### **Product Information**

Application WB, IHC Primary Accession Q61187

Other Accession <u>NM 021884, NP 068684</u>

**Reactivity** Human, Mouse, Rat, Rabbit, Goat, Dog, Horse, Bovine

**Predicted** Human, Mouse, Rat, Rabbit, Chicken, Goat, Dog, Horse, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 44124

## **Additional Information**

**Gene ID** 22088

Alias Symbol CC2, AI255943

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

Tsg101

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

**Reconstitution & Storage** Add 100 ul of distilled water. Final anti-TSG101 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

**Precautions** TSG101 antibody - middle region is for research use only and not for use in

diagnostic or therapeutic procedures.

## **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. Required for the exosomal release of SDCBP, CD63 and syndecan (By similarity). It may also play a role in the extracellular release of microvesicles that differ from

the exosomes (By similarity).

#### **Cellular Location**

Cytoplasm {ECO:0000250 | UniProtKB:Q99816}. Early endosome membrane {ECO:0000250|UniProtKB:Q99816}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q99816}; Cytoplasmic side {ECO:0000250|UniProtKB:Q99816}. Late endosome membrane {ECO:0000250|UniProtKB:Q99816}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q99816}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250 | UniProtKB:Q99816}. Midbody,

Midbody ring {ECO:0000250 | UniProtKB:Q99816}. Nucleus {ECO:0000250 | UniProtKB:Q99816}. Note=Mainly cytoplasmic. Membraneassociated when active and soluble when inactive. Nuclear localization is cell cycle-dependent. Interaction with CEP55 is required for localization to the midbody during cytokinesis {ECO:0000250 | UniProtKB:Q99816}

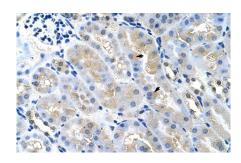
#### **Tissue Location**

Ubiquitous. Higher expression in brain and mammary gland. Lower expression in liver and tumoral tissues

## References

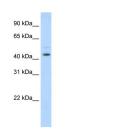
Stefan, M., (er) BMC Genomics 6, 157 (2005) Reconstitution and Storage: For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

## **Images**

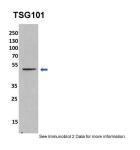


Rabbit Anti-Tsg101 Antibody Paraffin Embedded Tissue: Mouse Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 µg/ml

Magnification: 400X



WB Suggested Anti-TSG101 Antibody Titration: 1.25µg/ml Positive Control: NIH/3T3 cell lysate



Sample Type: ☐ mouse fibroblast lusate (10ug) Primary Dilution: 1:1000 (1% BSA) Secondary Dilution: 1:2000 (5% milk) Image Submitted by: 

Anonymous researcher 

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.