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TSG101 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI11181

Specification

TSG101 antibody - middle region - Product Information

Application	**IHC, WB**
Primary Accession	Q61187
Other Accession	NM_021884, NP_068684
Reactivity	**Human, Mouse, Rat, Rabbit, Goat, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Chicken, Goat, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**43kDa KDa**

TSG101 antibody - middle region - 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.

TSG101 antibody - middle region - 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. 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 {ECO:0000250|UniProtKB:Q99816}

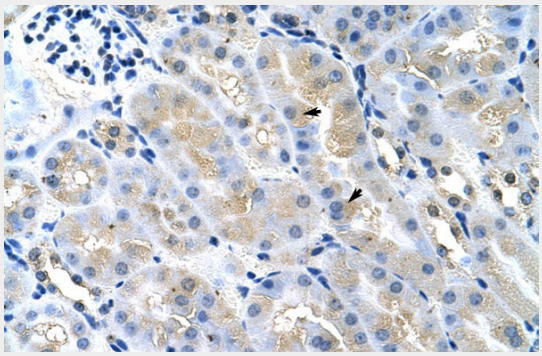
Tissue Location
Ubiquitous. Higher expression in brain and mammary gland. Lower expression in liver and tumoral tissues

TSG101 antibody - middle region - 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 - middle region - 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

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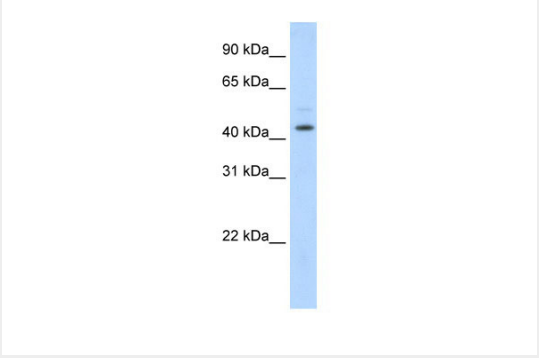
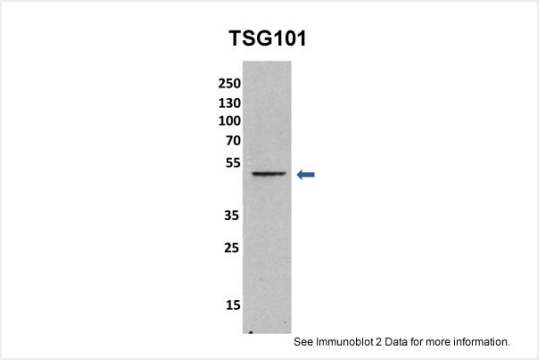


WB Suggested Anti-TSG101 Antibody Titration: 1.25µg/ml
Positive Control: NIH/3T3 cell lysate



Sample Type:Â mouse fibroblast lusate (10ug) Primary Dilution:Â 1:1000 (1% BSA) Secondary Dilution:Â 1:2000 (5% milk) Image
Submitted by:Â Anonymous researcherÂ See Customer Feedback tab for detailed information.

TSG101 antibody - middle region - 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.