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TSG101 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12066

Specification

TSG101 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q61187
Other Accession	NM_021884, NP_068684
Reactivity	**Human, Mouse, Rat, Rabbit, Goat, Horse, Yeast, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rabbit, Pig, 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}

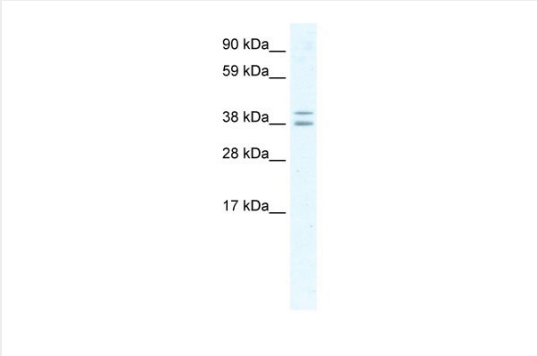
Tissue Location
Ubiquitous. Higher expression in brain and mammary gland. Lower expression in liver and tumoral tissues

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



WB Suggested Anti-TSG101 Antibody Titration: 2.5µg/ml
ELISA Titer: 1:62500
Positive Control: NIH/3T3 cell lysate

TSG101 antibody - middle region - References

Stefan,M.,etal.,(er)BMCGenomics6,157(2005)ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.