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TSG101 Rabbit mAb

Catalog # AP76210

Product Information

Application	WB, IHC-P, FC
Primary Accession	Q99816
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	43944

Additional Information

Gene ID	7251
Other Names	TSG101
Dilution	WB~~1:2000-1:20000 IHC-P~~N/A FC~~1:20-1:50
Format	1xPBS(pH 7.4), 150mM NaCl, 50% Glycerol, 0.02% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

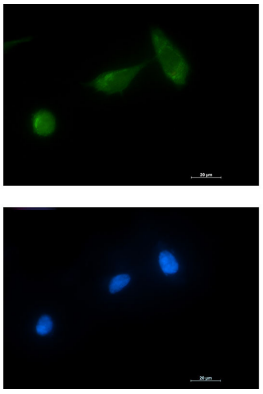
Name	TSG101
Function	Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Binds to ubiquitinated cargo proteins and is required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies (MVBs). Mediates the association between the ESCRT-0 and ESCRT-I complex. 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

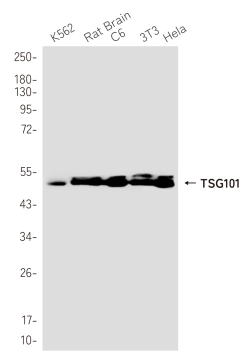
Background

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.

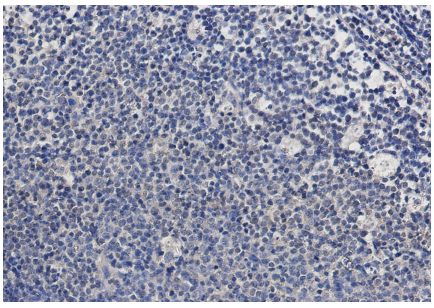
Images



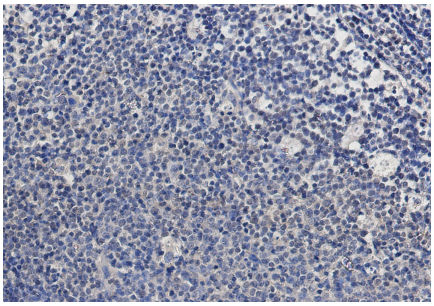
Immunocytochemistry analysis of TSG101 (green) in HT-1080 using TSG101 antibody,and DAPI(blue).



Western blot analysis of TSG101 in K562, rat Brain, C6, 3T3, Hela lysates using TSG101 antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using TSG101 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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