

产品名称: Tsg 101 Rabbit Polyclonal Antibody

产品货号: APRab19357

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC,ICC/IF,ELISA
种属反应(Reactivity)	Human,Mouse,Rat,Monkey
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液(Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
分子量(Molecular Weight)	44kDa

抗原信息(Antigen Information)

基因名(Gene Name)	TSG101
别名(Alternative Names)	TSG101; Tumor susceptibility gene 101 protein; ESCRT-I complex subunit TSG101
基因 ID(Gene ID)	7251.0
SwissProt ID	Q99816
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human TSG101. AA range:281-330

研究背景 (Background)

The protein encoded by this gene belongs to a group of apparently inactive homologs of ubiquitin-conjugating enzymes. The gene product contains a coiled-coil domain that interacts with stathmin, a cytosolic phosphoprotein implicated in

tumorigenesis. The protein may play a role in cell growth and differentiation and act as a negative growth regulator. In vitro steady-state expression of this tumor susceptibility gene appears to be important for maintenance of genomic stability and cell cycle regulation. Mutations and alternative splicing in this gene occur in high frequency in breast cancer and suggest that defects occur during breast cancer tumorigenesis and/or progression. [provided by RefSeq, Jul 2008],alternative products:Additional isoforms seem to exist. Several shorter isoforms are detected in primary breast cancers and other tumors,domain:The coiled coil domain may interact with stathmin.,domain:The UEV domain binds ubiquitin and P-[ST]-A-P peptide motif independently.,domain:The UEV domain is required for the interaction of the complex with ubiquitin. It also mediates the interaction with PTAP/PSAP motifs of HIV-1 P6 protein and human spumaretrovirus Gag protein.,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.,PTM:Monoubiquitinated at multiple sites by LRSAM1. Ubiquitination inactivates it, possibly by regulating its shuttling between an active membrane-bound protein and an inactive soluble form.,similarity:Belongs to the ubiquitin-conjugating enzyme family. UEV subfamily.,similarity:Contains 1 SB (steadiness box) domain.,similarity:Contains 1 UEV (ubiquitin E2 variant) domain.,subcellular location:Mainly cytoplasmic. Membrane-associated when active and soluble when inactive. Depending on the stage of the cell cycle, detected in the nucleus. Colocalized with CEP55 in the midbody during cytokinesis.,subunit:Component of the ESCRT-I complex (endosomal sorting complex required for transport I) which consists of TSG101, VPS28, a VPS37 protein (VPS37A to -D) and a FAM125/MVB12 protein (FAM125A or -B) in a 1:1:1:1 stoichiometry. Interacts with VPS37A, VPS37B and VPS37C. Interacts with ubiquitin, stathmin, GMCL, DMAP1 and AATF (By similarity). Interacts with HGS; the interaction mediates the association with the ESCRT-0 complex. Interacts with GGA1 and GGA3. Interacts (via UEV domain) with PDCD6IP/AIP1. Interacts with VPS28, SNF8 and VPS36. Self-associates. Interacts with FAM125A/MVB12A; the association appears to be mediated by the TSG101-VPS37 binary subcomplex. Interacts with VPS37D. Interacts with LRSAM1. Interacts with CEP55; the interaction is required for cytokinesis but not for viral budding. Interacts with HIV-1 p6. Interacts with human spumavirus Gag. Interacts with HTLV-1 Gag. Interacts with Ebola virus VP40. Interacts with EIAV p9; the interaction has been shown in vitro.,tissue specificity:Heart, brain, placenta, lung, liver, skeletal, kidney and pancreas.,

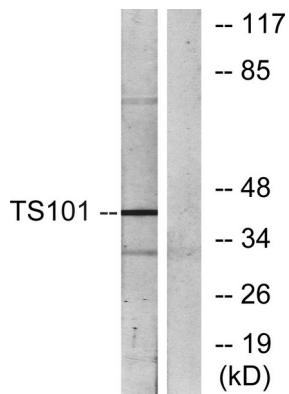
研究领域 (Research Area)

Endocytosis;

注意事项 (Note)

For research use only.

图片 (Image Data)



Western blot analysis of lysates from COS7 cells, using TS101 Antibody. The lane on the right is blocked with the synthesized peptide.

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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