



Tsg 101 Polyclonal Antibody

Catalog No	YP-Ab-16293
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;IHC;IF;ELISA
Gene Name	TSG101
Immunogen	The antiserum was produced against synthesized peptide derived from human TSG101. AA range:281-330
Specificity	Tsg 101 Polyclonal Antibody detects endogenous levels of Tsg 101 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ESCRT-I complex subunit TSG101;TSG 10;TSG 101;TSG10;VPS 23;TSG101; Tumor susceptibility gene 101 protein
Observed Band	44kD
Calculated Molecular Weight	44kD
Cell Pathway	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 . 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 Specificity	Heart, brain, placenta, lung, liver, skeletal, kidney and pancreas.
Function	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

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],

matters needing attention

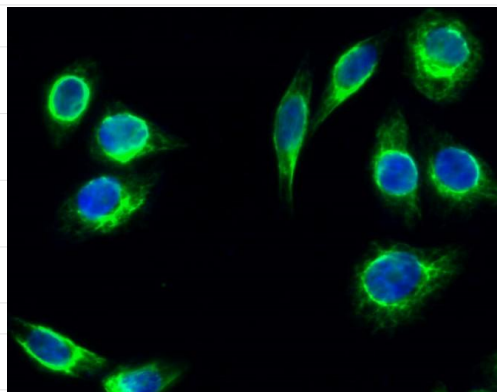
Avoid repeated freezing and thawing!

Usage suggestions

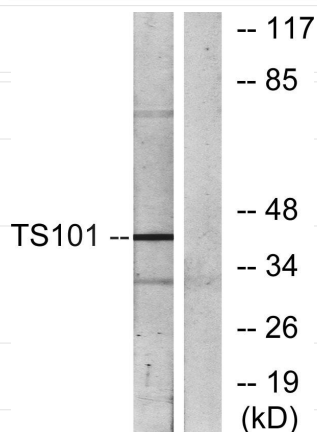
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



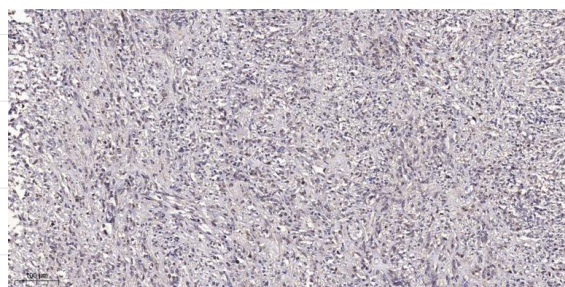
Products Images



Immunofluorescence analysis of Hela cell. 1, Tsg 101 Polyclonal Antibody (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 Catalog: RS3211 was diluted at 1:1000 (room temperature, 50min). 3 DAPI (blue) 10min.



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



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1, primary Antibody was diluted at 1:200 (4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval (>98° C, 20min). 3, Secondary antibody was diluted at 1:200.