

**TSG101 (PT0240R) PT® Rabbit mAb**

<b>Catalog No :</b>	YM8150
<b>Reactivity :</b>	Human;Mouse;Rat;
<b>Applications :</b>	WB;IF;IP;ELISA
<b>Target :</b>	Tsg 101
<b>Fields :</b>	>>Viral life cycle - HIV-1;>>Endocytosis
<b>Gene Name :</b>	TSG101
<b>Protein Name :</b>	Tumor susceptibility gene 101 protein
<b>Human Gene Id :</b>	7251
<b>Human Swiss Prot No :</b>	Q99816
<b>Mouse Gene Id :</b>	22088
<b>Mouse Swiss Prot No :</b>	Q61187
<b>Rat Gene Id :</b>	292925
<b>Rat Swiss Prot No :</b>	Q6IRE4
<b>Specificity :</b>	endogenous
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, rabbit, IgG, Kappa
<b>Dilution :</b>	WB 1:1000-1:5000,IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200,
<b>Purification :</b>	Protein A
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 44kD

**Observed Band :** 44kD

**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],

**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

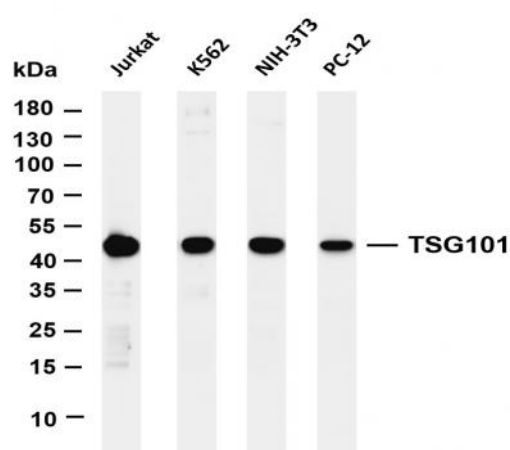
**Subcellular Location :**

Cytoplasm, Nuclear

**Expression :**

Heart, brain, placenta, lung, liver, skeletal, kidney and pancreas.

## Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-TSG101 (PT0240R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Jurkat Lane 2: K562 Lane 3: NIH-3T3 Lane 4: PC-12 Predicted band size: 44kDa Observed band size: 44kDa