

TSG101 (PT0240R) PT® Rabbit mAb

Catalog No :	YM8150
Reactivity :	Human;Mouse;Rat;
Applications :	WB;IF;IP;ELISA
Target :	Tsg 101
Fields :	>>Viral life cycle - HIV-1;>>Endocytosis
Gene Name :	TSG101
Protein Name :	Tumor susceptibility gene 101 protein
Human Gene Id :	7251
Human Swiss Prot No :	Q99816
Mouse Gene Id :	22088
Mouse Swiss Prot No :	Q61187
Rat Gene Id :	292925
Rat Swiss Prot No :	Q6IRE4
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	WB 1:1000-1:5000,IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200,
Purification :	Protein A
Storage Stability :	-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

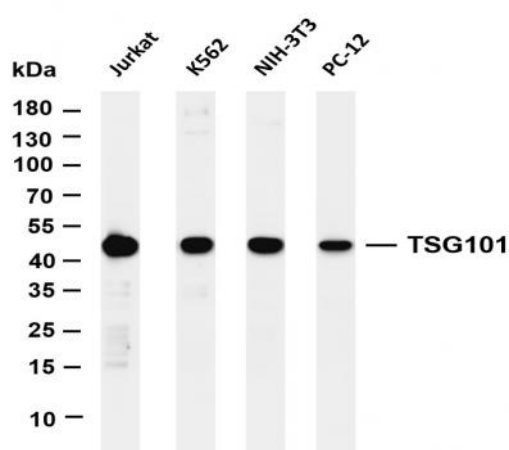
Subcellular Location :

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