

## Product datasheet for **TA343598**

### TSG101 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TSG101 antibody: synthetic peptide directed towards the C terminal of human TSG101. Synthetic peptide located within the following region: TIFYLGEALRRGVLDLDVFLKHVRLLSRKQFQLRALMQKARKTAGLSDLY
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44 kDa
Gene Name:	tumor susceptibility 101
Database Link:	<a href="#">NP_006283</a> <a href="#">Entrez Gene 292925 Rat</a> <a href="#">Entrez Gene 7251 Human</a> <a href="#">Q99816</a>



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**Background:**

TSG101 belongs to a group of apparently inactive homologs of ubiquitin-conjugating enzymes. TSG101 contains a coiled-coil domain that interacts with stathmin, a cytosolic phosphoprotein implicated in tumorigenesis. TSG101 may play a role in cell growth and differentiation and act as a negative growth regulator. In vitro steady-state expression of TSG101 appears to be important for maintenance of genomic stability and cell cycle regulation. Mutations and alternative splicing in TSG101 gene occur in high frequency in breast cancer. 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.

**Synonyms:**

TSG10; VPS23

**Note:**

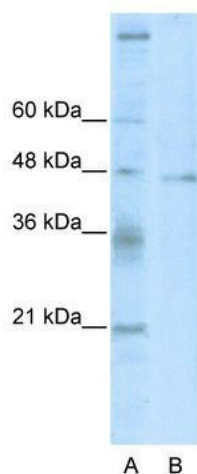
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%

**Protein Families:**

Druggable Genome, Transcription Factors

**Protein Pathways:**

Endocytosis

**Product images:**


WB Suggested Anti-TSG101 Antibody Titration:  
2.5 ug/ml; ELISA Titer: 1: 312500; Positive Control:  
HepG2 cell lysate; TSG101 is supported by BioGPS  
gene expression data to be expressed in HepG2