

Datasheet for ABIN2780762

**anti-TSG101 antibody (C-Term)**

3 Images

1 Publication

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	TSG101
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Goat, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSG101 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human TSG101
Sequence:	TIFYLGEALR RGVIDLDVFL KHVRLLSRKQ FQLRALMQKA RKTAGLSLDLY
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against TSG101. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

## Target Details

Target:	TSG101
---------	--------

## Target Details

Alternative Name: TSG101 ([TSG101 Products](#))

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.

Alias Symbols: TSG10, VPS23

Protein Interaction Partner: USHBP1, CEP55, VPS37C, VPS28, AATF, MGRN1, PDLIM7, TAX1BP1, KRT31, KRT13, KIFC3, DAPK3, AR, FAM9B, VPS37A, HAUS1, SYCE1, UBC, LRSAM1, ADRB2, MVB12A, UBAP1, CDKN1A, HGS, gag, gag-pol, GRB2, CDS2, ZFYVE9, VCP, VPS37B, WDR12, XPO1, UBD, ARDC1, KCNN4, RAB11F

Protein Size: 390

Molecular Weight: 44 kDa

Gene ID: 7251

NCBI Accession: [NM\\_006292](#), [NP\\_006283](#)

UniProt: [Q99816](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 390 AA

Restrictions: For Research Use only

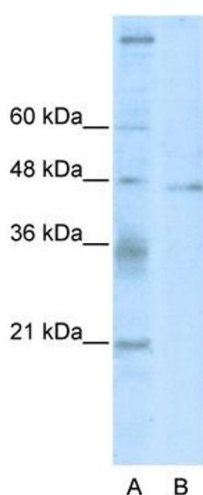
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

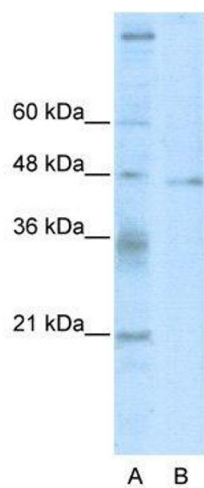
Product cited in:	Surjit, Oberoi, Kumar, Lal: "Enhanced alpha1 microglobulin secretion from Hepatitis E virus ORF3-expressing human hepatoma cells is mediated by the tumor susceptibility gene 101." in: <b>The Journal of biological chemistry</b> , Vol. 281, Issue 12, pp. 8135-42, (2006) ( <a href="#">PubMed</a> ).
-------------------	--

## Images



### Western Blotting

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



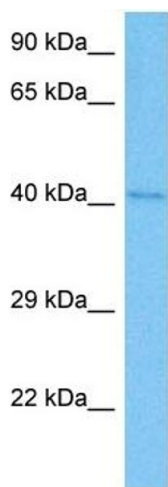
Western Blotting

**Image 2.** WB Suggested Anti-TSG101

Antibody Titration: 2.5 µg/mL ELISA Titer: 1:12500

Positive Control: HepG2 cell lysate

TSG101 is supported by BioGPS gene expression data to be expressed in HepG2



Western Blotting

**Image 3.** Host: Rat Target Name: TSG101 Sample Tissue:

Rat Brain Antibody Dilution: 1ug/ml