

## Basic Information

Product Name	Anti-TSG101 Antibody
Gene Name	TSG101
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS , 0.02% NaN <sub>3</sub> , 1 mg BSA and 50% glycerol.
Immunogen	E.coli-derived human TSG101 recombinant protein (Position: E223-K257).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	44KD
Dilution Ratios	Western blot(WB): 1:500-2000 Flow cytometry (FCM):1-3 µg/1x10 <sup>6</sup> cells ELISA: 1:100-1000

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

TSG101, known as Tumor susceptibility gene 101, is mapped to 11p15. 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. And 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.

## Selected Validation Data

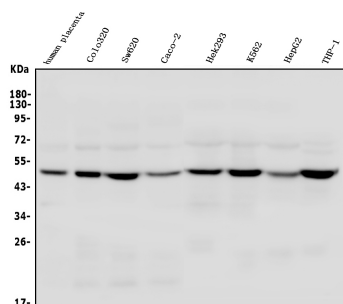


Figure 1. Western blot analysis of anti- TSG101 antibody (A01233-2).The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human placenta tissue lysates,Lane 2: human COLO320 whole cell lysates,Lane 3: human SW620 whole cell lysates,Lane 4: human CACO-2 whole cell lysates,Lane 5: human HEK293 whole cell lysates,Lane 6: human K562 whole cell lysates,Lane 7: human HepG2 whole cell lysates,Lane 8: human THP-1 whole cell lysates.Use rabbit anti-TSG101 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for TSG101 at approximately 44KD. The expected band size for TSG101 is at 44KD.