Product datasheet

Anti-TSG101 Antibody

Catalog Number: *A01233-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-TSG101 Antibody
Gene Name	TSG101
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml 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	44 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA):1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

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.

Reference

Anti-TSG101 Antibody被引用在7文献中。

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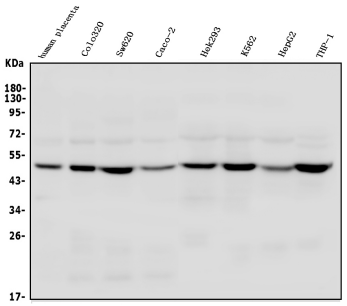
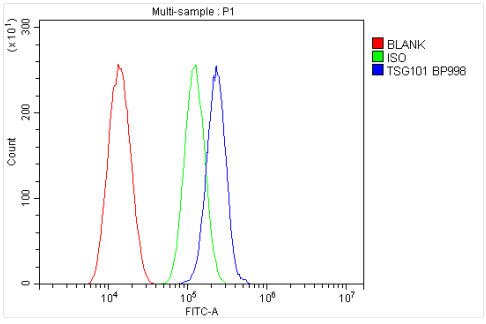
Selected Validation Data



Western blot analysis of TSG101 using anti-TSG101 antibody (A01233-2).
The sample well of each lane was loaded with 30 ug 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.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TSG101 antigen affinity purified polyclonal antibody (A01233-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TSG101 at approximately 44 kDa. The expected band size for TSG101 is at 44 kDa.



Flow Cytometry analysis of SiHa cells using anti-TSG101 antibody (A01233-2).
Overlay histogram showing SiHa cells stained with A01233-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TSG101 Antibody (A01233-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.