Product datasheet

Anti-TSG101 Antibody (Clone#IDG-20)

Catalog Number: *BM4821*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-TSG101 Antibody (Clone#IDG-20)
Gene Name	TSG101
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human TSG101
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	44 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 Flow Cytometry (FCM): 1:50

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

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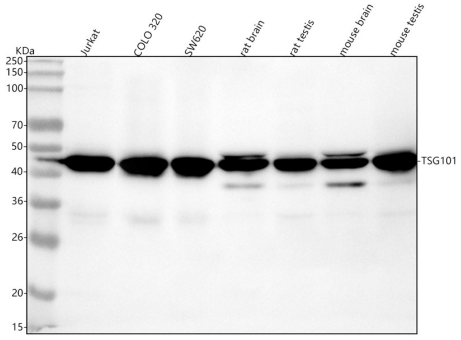
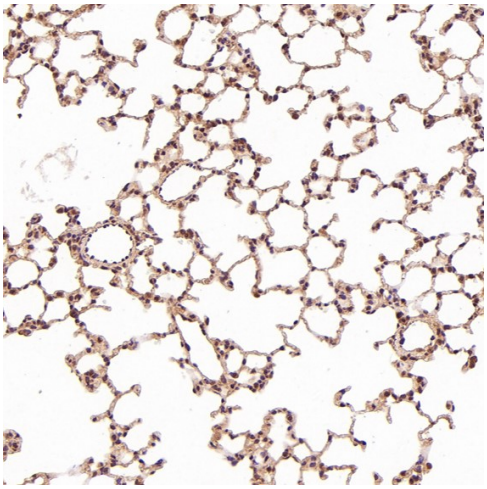
Anti-TSG101 Antibody (Clone#IDG-20)被引用在6文献中。

Selected Validation Data



Western blot analysis of anti-TSG101 antibody (BM4821). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Jurkat whole cell lysates,
Lane 2: human COLO 320 whole cell lysates,
Lane 3: human SW620 whole cell lysates,
Lane 4: rat brain tissue lysates,
Lane 5: rat testis tissue lysates,
Lane 6: mouse brain tissue lysates,
Lane 7: mouse testis tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TSG101 antigen affinity purified monoclonal antibody (BM4821) 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.



Immunohistochemical analysis of paraffin-embedded Rat liver, using the Antibody.