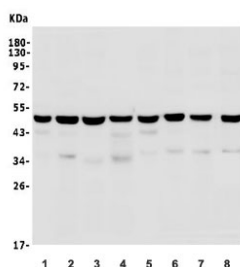


## TSG101 Antibody (RQ5849)

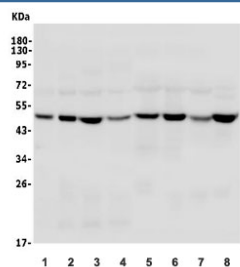
Catalog No.	Formulation	Size
RQ5849	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

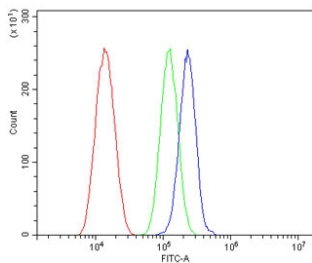
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q99816
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This TSG101 antibody is available for research use only.



Western blot testing of rat 1) brain, 2) testis, 3) liver, 4) spleen and mouse 5) brain, 6) testis, 7) liver and 8) spleen lysate with TSG101 antibody. Predicted molecular weight ~45 kDa.



Western blot testing of human 1) placenta, 2) COLO-320, 3) SW620, 4) Caco-2, 5) HEK293, 6) K562, 7) HepG2 and 8) ThP-1 lysate with TSG101 antibody. Predicted molecular weight ~45 kDa.



Flow cytometry testing of human SiHa cells with TSG101 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TSG101 antibody.

## Description

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.

## Application Notes

Optimal dilution of the TSG101 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids E223-K257) was used as the immunogen for the TSG101 antibody.

## Storage

After reconstitution, the TSG101 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.