

## **TSG101 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant TSG101.

Catalog # AT4378a

### **Specification**

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#### **TSG101 Antibody (monoclonal) (M01) - Product Information**

Application	IF, WB, IHC, E
Primary Accession	<a href="#">O99816</a>
Other Accession	<a href="#">NM_006292</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	43944

#### **TSG101 Antibody (monoclonal) (M01) - Additional Information**

**Gene ID** 7251

##### **Other Names**

Tumor susceptibility gene 101 protein, ESCRT-I complex subunit TSG101, TSG101

##### **Target/Specificity**

TSG101 (NP\_006283, 201 a.a. ~ 280 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### **Dilution**

WB ~ 1:500 ~ 1000

##### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### **Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### **Precautions**

TSG101 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

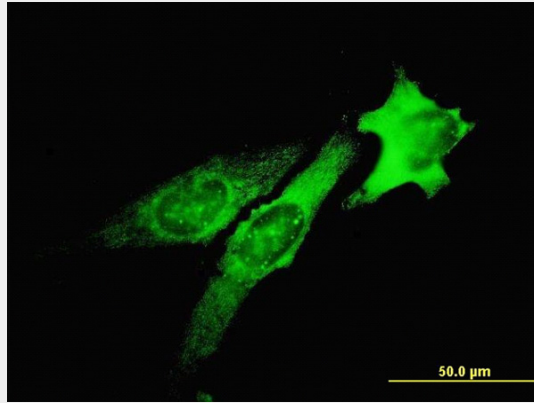
#### **TSG101 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

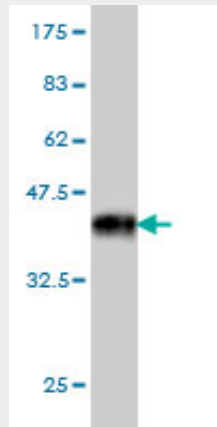
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

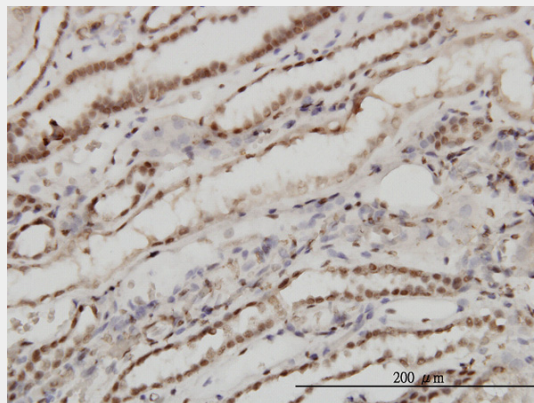
### TSG101 Antibody (monoclonal) (M01) - Images



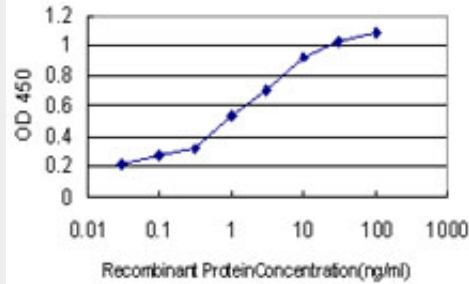
Immunofluorescence of monoclonal antibody to TSG101 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.54 KDa) .



Immunoperoxidase of monoclonal antibody to TSG101 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged TSG101 is approximately 0.03ng/ml as a capture antibody.

### **TSG101 Antibody (monoclonal) (M01) - Background**

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.

### **TSG101 Antibody (monoclonal) (M01) - References**

1.Characterization of human thymic exosomes.Skogberg G, Gudmundsdottir J, van der Post S, Sandstrom K, Bruhn S, Benson M, Mincheva-Nilsson L, Baranov V, Telemo E, Ekwall OPLoS One. 2013 Jul 2;8(7):e67554. doi: 10.1371/journal.pone.0067554. Print 2013.