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TSG101 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TSG101.
Catalog # AT4378a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q99816
Other Accession	NM_006292
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5B7
Calculated MW	43944

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 IHC~~1:100~500 IF~~1:50~200 E~~N/A
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.

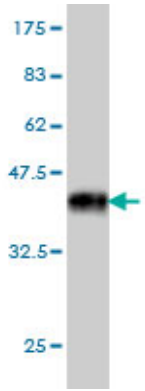
Background

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.

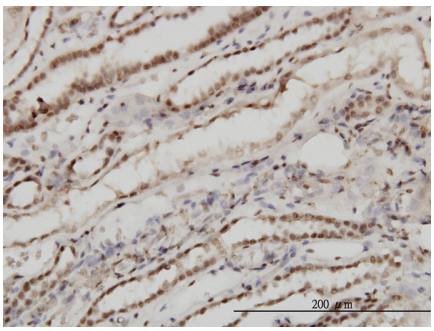
References

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.

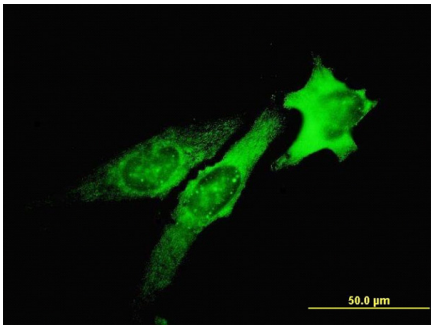
Images



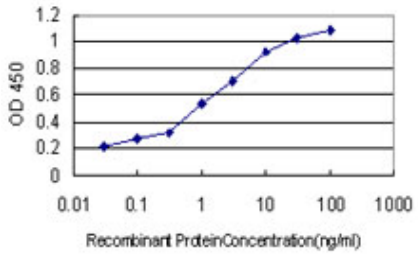
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.54 KDa) .



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



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.