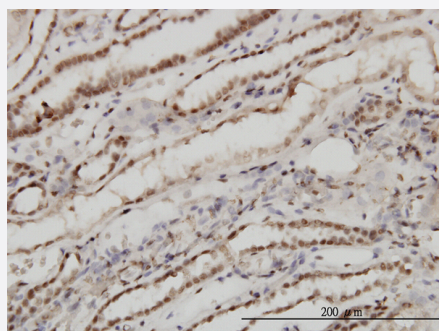


TSG101 monoclonal antibody (M01), clone 5B7

Catalog # H00007251-M01

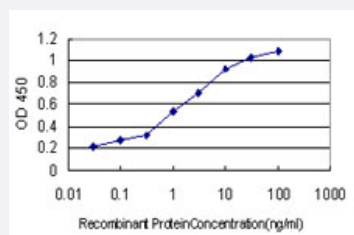
Size 100 ug

Applications



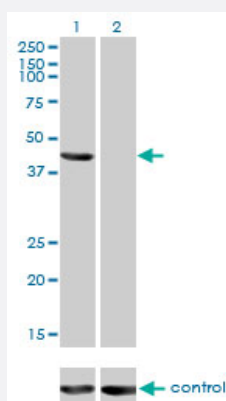
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



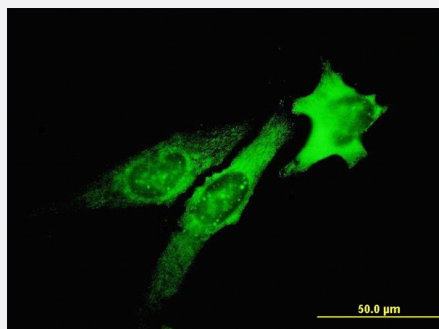
Sandwich ELISA (Recombinant protein)

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



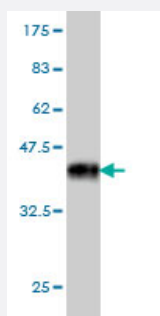
RNAi Knockdown (Antibody validated)

Western blot analysis of TSG101 over-expressed 293 cell line, cotransfected with TSG101 Validated Chimera RNAi (Cat # H00007251-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TSG101 monoclonal antibody (M01), clone 5B7 (Cat # H00007251-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Immunofluorescence

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



Western Blot detection against Immunogen (34.54 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TSG101.
Immunogen	TSG101 (NP_006283, 201 a.a. ~ 280 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SSQYPSQPPTTVGPSRDGTISED TIRASLISAVSDKLRWRMKEEMDRAQAELNALKRTEEDLKK GHQKLEEMVTRL DQE
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.54 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of TSG101 over-expressed 293 cell line, cotransfected with TSG101 Validated Chimera RNAi (Cat # H00007251-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TSG101 monoclonal antibody (M01), clone 5B7 (Cat # H00007251-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

- Immunofluorescence

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

Gene Info — TSG101

Entrez GeneID [7251](#)

GeneBank Accession# [NM_006292](#)

Protein Accession# [NP_006283](#)

Gene Name TSG101

Gene Alias TSG10, VPS23

Gene Description tumor susceptibility gene 101

Omim ID [601387](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

tumor susceptibility protein

Publication Reference

- [Extracellular vesicles from biological fluids as potential markers in castration resistant prostate cancer.](#)

Wendy W Y Choi, Catherine Sánchez, Jiao Jiao Li, Mojdeh Dinarvand, Hans Adomat, Mazyar Ghaffari, Leila Khoja, Fatemeh Vafaei, Anthony M Joshua, Kim N Chi, Emma S Tomlinson Guns, Elham Hosseini-Beheshti.

Journal of Cancer Research and Clinical Oncology 2022 Oct; [Epub].

Application: WB-Ce, Human, Human serum, Human urine

- [Bladder Cancer Extracellular Vesicles Elicit a CD8 T Cell-Mediated Antitumor Immunity.](#)

Carlos J. Ortiz-Bonilla, Taylor P. Uccello, Scott A. Gerber, Edith M. Lord, Edward M. Messing and Yi-Fen Lee.

International Journal of Molecular Sciences 2022 Mar; 23(6):2904.

Application: WB-Ce, Mouse, MB49

- [Human thymic epithelial primary cells produce exosomes carrying tissue-restricted antigens.](#)

Skogberg G, Lundberg V, Berglund M, Gudmundsdottir J, Telemo E, Lindgren S, Ekwall O.

Immunology and Cell Biology 2015 Sep; 93(8):948.

Application: Flow Cyt, Human, Thymic epithelial cells

- [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 O.

PLoS One 2013 Jul; 8(7):e67554.

Application: Flow Cyt, Human, Human thymic vesicles

Pathway

- [Endocytosis](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)