

### TSSC1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TSSC1. Catalog # AT4382a

### **Specification**

# TSSC1 Antibody (monoclonal) (M01) - Product Information

**Application** IF, WB, E **Primary Accession O53HC9** Other Accession NM 003310 Human, Rat Reactivity Host mouse Clonality **Monoclonal** Isotype IgG2a Kappa Calculated MW 43603

### TSSC1 Antibody (monoclonal) (M01) - Additional Information

#### **Gene ID 7260**

#### **Other Names**

Protein TSSC1, Tumor-suppressing STF cDNA 1 protein, Tumor-suppressing subchromosomal transferable fragment candidate gene 1 protein, TSSC1

### Target/Specificity

TSSC1 (NP\_003301, 288 a.a.  $\sim$  387 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**

TSSC1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

#### TSSC1 Antibody (monoclonal) (M01) - Protocols

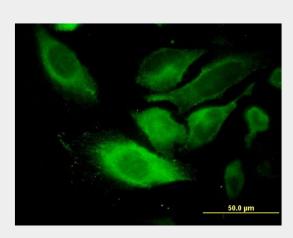
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

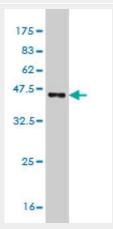


- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

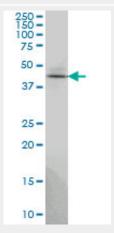
# TSSC1 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to TSSC1 on HeLa cell. [antibody concentration 10 ug/ml]



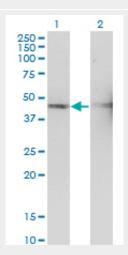
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa).



TSSC1 monoclonal antibody (M01), clone 2H5 Western Blot analysis of TSSC1 expression in PC-12



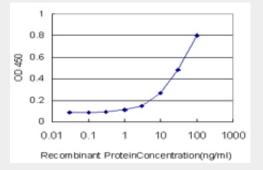
## ((Cat # AT4382a)



Western Blot analysis of TSSC1 expression in transfected 293T cell line by TSSC1 monoclonal antibody (M01), clone 2H5.

Lane 1: TSSC1 transfected lysate (Predicted MW: 43.6 KDa).

Lane 2: Non-transfected lysate.



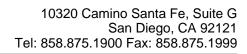
Detection limit for recombinant GST tagged TSSC1 is approximately 1ng/ml as a capture antibody.

# TSSC1 Antibody (monoclonal) (M01) - Background

This gene has been reported in PMID 9403053 as one of several tumor-suppressing subtransferable fragments located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Alignment of this gene to genomic sequence data suggests that this gene resides on chromosome 2 rather than chromosome 11.

# TSSC1 Antibody (monoclonal) (M01) - References

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.Generation and annotation of the DNA sequences of human chromosomes 2 and 4. Hillier LW, et al. Nature, 2005 Apr 7. PMID 15815621.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci





U S A, 2002 Dec 24. PMID 12477932.