

For Research Use Only

# MTSS1 Polyclonal antibody

Catalog Number: 13995-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

13995-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5080

### GenBank Accession Number:

BC023998

### GeneID (NCBI):

9788

### UNIPROT ID:

O43312

### Full Name:

metastasis suppressor 1

### Calculated MW:

82 kDa

### Observed MW:

82 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat

### Positive Controls:

**WB** : HepG2 cells, MCF-7 cells, NIH/3T3 cells, mouse kidney tissue, rat kidney tissue

**IHC** : human lung cancer tissue, human liver cancer tissue

**IF/ICC** : MCF-7 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

MTSS1 (metastasis suppressor 1), also known as MIM (missing-in-metastasis), MIM-B, BEG4 (Basal cell carcinoma-enriched gene 4) or KIAA0429, is one of the defining members of the I-BAR family of negative membrane curvature-sensing proteins first identified as being deleted in metastatic bladder cancer. MTSS1 over-expression is associated with enhanced cell migration, resulting in tumorigenesis, invasion and metastasis (PMID: 27230279). It is reported that the expression of MTSS1 is associated with poor prognosis in various cancers, such as bladder, gastric, breast and so on (PMID: 32052679).

## Notable Publications

Author	Pubmed ID	Journal	Application
Lijun Liang	34435464	Cytoskeleton (Hoboken)	WB, IF
Xuezhe Liu	38932673	ACS Nano	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

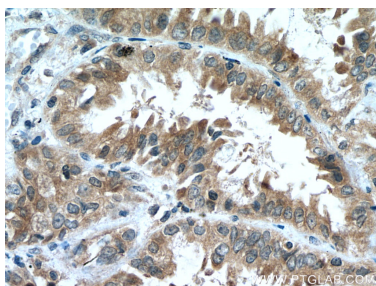
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

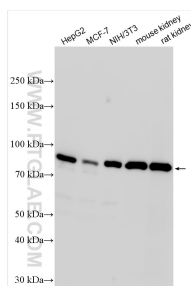
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

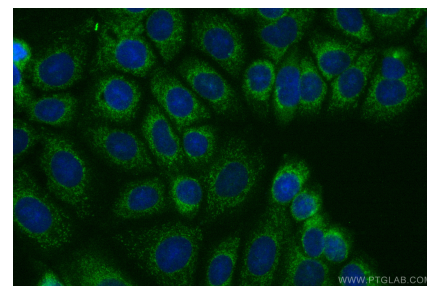
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13995-1-AP (MTSS1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 13995-1-AP (MTSS1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using MTSS1 antibody (13995-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).