

For Research Use Only

# MTUS1 Polyclonal antibody

Catalog Number: 18791-1-AP



## Basic Information

<b>Catalog Number:</b> 18791-1-AP	<b>GenBank Accession Number:</b> BC033842	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 57509	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> mitochondrial tumor suppressor 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 51 kDa, 141 kDa	
<b>Immunogen Catalog Number:</b> AG5605	<b>Observed MW:</b> 120 kDa, 180 kDa	

## Applications

<b>Tested Applications:</b> WB,ELISA	<b>Positive Controls:</b> WB : human skeletal muscle tissue, mouse uterus tissue
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

MTUS1, also named as ATBP, ATIP, GK1, KIAA1288 and MTSG1, Belongs to the MTUS1 family. It cooperates with AGTR2 to inhibit ERK2 activation and cell proliferation. MTUS1 may be required for AGTR2 cell surface expression. Together with PTPN6, induces UBE2V2 expression upon angiotensin-II stimulation. Isoform 1 inhibits breast cancer cell proliferation, delays the progression of mitosis by prolonging metaphase and reduces tumor growth. MTUS1 up-regulation during cellular transition from proliferation to quiescence and differentiation. It is a potential tumor suppressor gene located at chromosome 8p21.3.22, near marker D8S254. According to the functional data and intracellular localization, MTUS1 also named as mitochondrial tumor suppressor gene 1 (MTSG1). One main feature common to all ATIP members is the presence of a large C-terminal coiled-coil domain that allows homo- and hetero-dimerization of these proteins. (PMID:12692079, 15123706) The antibody can recognize all the isoforms except isoform 5 (85-90kd). The antibody tested HomoDimer isoforms (110-120/180kd) in Human skeletal muscle.

## Storage

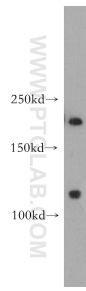
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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 W: ptglab.com

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## Selected Validation Data



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 18791-1-AP (MTUS1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.