

# MTUS1 Polyklonaler Antikörper

Katalog-Nr.: 18791-1-AP

## Allgemeine Informationen

**Katalog-Nr.:**

18791-1-AP

**Größe:**

150ul, Konzentration: 200 µg/ml  
durch die Bradford-Methode mit BSA  
als Standard;

**Wirt:**

Kaninchen

**Isotyp:**

IgG

**Immunogen Katalognummer:**

AG5605

**GenBank-Zugangsnummer:**

BC033842

**GeneID (NCBI):**

57509

**Vollständiger Name:**

mitochondrial tumor suppressor 1

**Berechnete Masse:**

51 kDa, 141 kDa

**Beobachtete Masse:**

120 kDa, 180 kDa

**Reinigungsmethode:**

Antigen-Affinitätsreinigung

**Empfohlene Verdünnungen:**

WB 1:500-1:2000

## Anwendungen

**Geprüfte Anwendungen:**

WB, ELISA

**Getestete Reaktivität:**

Human, Maus, Ratte

**Positivkontrollen:**

**WB** : humanes Skelettmuskelgewebe, Maus-  
Uterusgewebe

## Hintergrundinformationen

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.

## Lagerung

**Lagerungsbedingungen:**

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

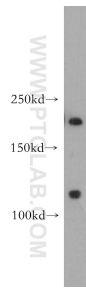
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## Ausgewählte Validierungsdaten



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.