

## ARG45160 anti-MTUS1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes MTUS1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	MTUS1
Species	Human
Immunogen	Recombinant protein containing to human MTUS1.
Conjugation	Un-conjugated
Alternate Names	Microtubule-associated tumor suppressor 1; AT2 receptor-binding protein; Angiotensin-II type 2 receptor-interacting protein; Mitochondrial tumor suppressor 1; MTUS1; ATBP; ATIP; GK1; KIAA1288; MTSG1

### Application Instructions

Application table	Application	Dilution
	ICC/IF	2 µg/ml
	WB	0.1-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	170 kDa	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

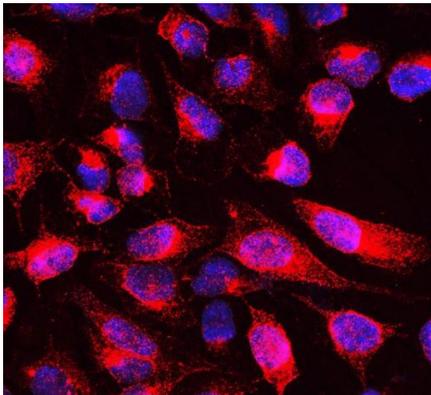
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

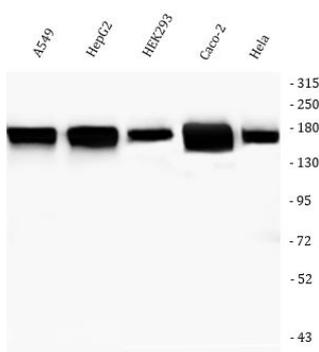
Gene Symbol	MTUS1
Gene Full Name	microtubule associated scaffold protein 1
Background	This gene encodes a protein which contains a C-terminal domain able to interact with the angiotension II (AT2) receptor and a large coiled-coil region allowing dimerization. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the transcript variants has been shown to encode a mitochondrial protein that acts as a tumor suppressor and participates in AT2 signaling pathways. Other variants may encode nuclear or transmembrane proteins but it has not been determined whether they also participate in AT2 signaling pathways. [provided by RefSeq, Jul 2008]
Function	Cooperates with AGTR2 to inhibit ERK2 activation and cell proliferation. 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. [UniProt]
Calculated Mw	141 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Mitochondrion; Golgi apparatus; Cell membrane; Nucleus. [UniProt]

## Images



ARG45160 anti-MTUS1 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45160 anti-MTUS1 antibody at 2 ug/ml dilution.



ARG45160 anti-MTUS1 antibody WB image

Western blot: A549, HepG2, HEK293, Caco-2, and HeLa stained with ARG45160 anti-MTUS1 antibody at 0.5 µg/ml dilution.