

## ARG43092 anti-MCUR1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes MCUR1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MCUR1
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human MCUR1. (ATQQAEIIVSALVKILEANMDIVYKDMVTKMQQE)
Conjugation	Un-conjugated
Alternate Names	CCDC90A; C6orf79; Mitochondrial calcium uniporter regulator 1; Coiled-coil domain-containing protein 90A, mitochondrial

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 40 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.

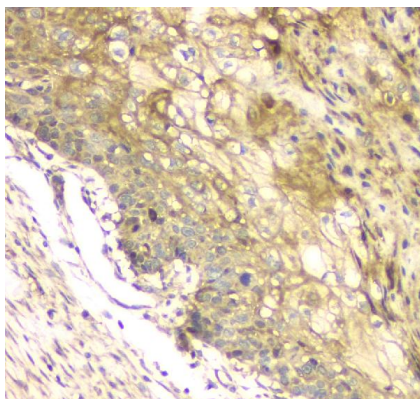
#### Note

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

## Bioinformation

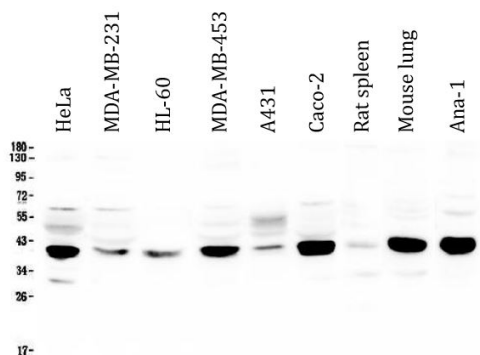
Gene Symbol	MCUR1
Gene Full Name	mitochondrial calcium uniporter regulator 1
Function	Key regulator of mitochondrial calcium uniporter (MCU) required for calcium entry into mitochondrion (PubMed:23178883, PubMed:26445506, PubMed:27184846, PubMed:26976564). Plays a direct role in uniporter-mediated calcium uptake via a direct interaction with MCU (PubMed:23178883). Probably involved in the assembly of the membrane components of the uniporter complex (uniplex) (PubMed:27184846). [UniProt]
Calculated Mw	40 kDa
Cellular Localization	Mitochondrion inner membrane; Multi-pass membrane protein. [UniProt]

## Images



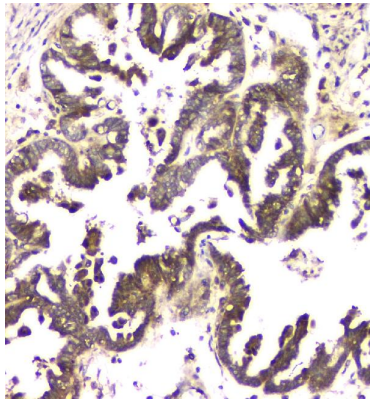
ARG43092 anti-MCUR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human oesophagus squama cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43092 anti-MCUR1 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG43092 anti-MCUR1 antibody WB image

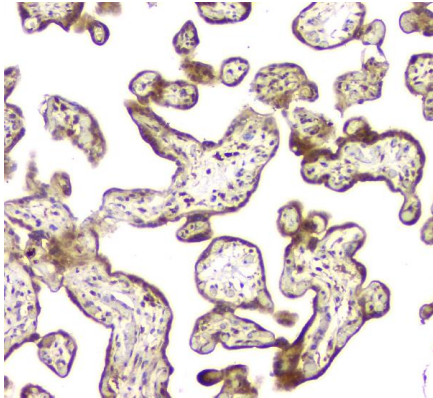
Western blot: 50 µg of sample under reducing conditions. HeLa, MDA-MB-231, HL-60, MDA-MB-453, A431, Caco-2, Rat spleen, Mouse lung and Ana-1 whole cell lysates stained with ARG43092 anti-MCUR1 antibody at 0.5 µg/ml dilution, overnight at 4°C.



ARG43092 anti-MCUR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovary cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43092 anti-MCUR1 antibody at 1 µg/ml dilution, overnight at 4°C.

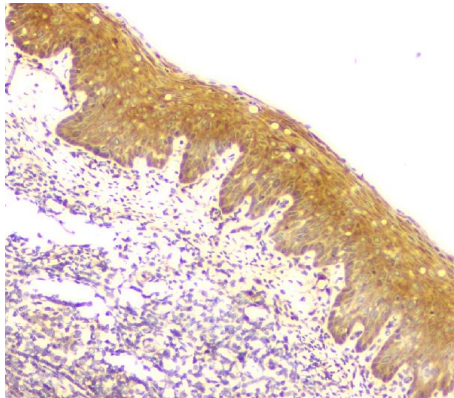
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ARG43092 anti-MCUR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43092 anti-MCUR1 antibody at 1 µg/ml dilution, overnight at 4°C.

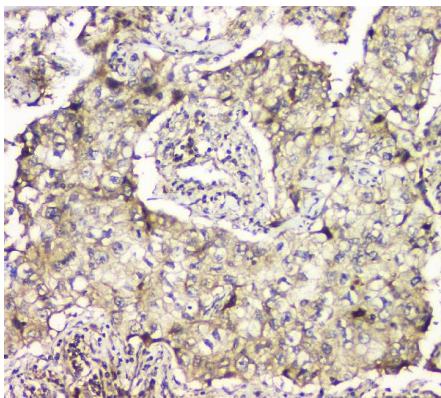
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ARG43092 anti-MCUR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43092 anti-MCUR1 antibody at 1 µg/ml dilution, overnight at 4°C.

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ARG43092 anti-MCUR1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43092 anti-MCUR1 antibody at 1 µg/ml dilution, overnight at 4°C.

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