

## ARG43434 anti-ADAM12 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ADAM12
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ADAM12
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 589-738 of Human ADAM12 (NP_067673.2).
Conjugation	Un-conjugated
Alternate Names	MCMP; ADAM 12; MCMPIItna; EC 3.4.24.-; Disintegrin and metalloproteinase domain-containing protein 12; Meltrin-alpha; MLTN; MLTNA; CAR10; ADAM12-OT1

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse fat	
Observed Size	~ 100 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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.

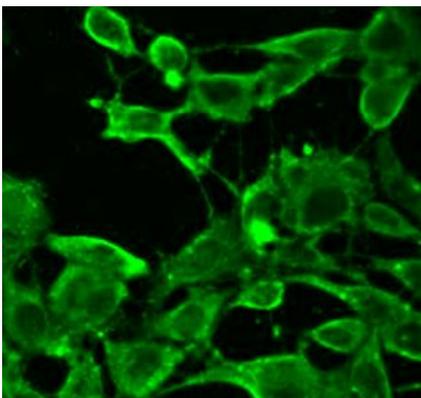
## Bioinformation

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Gene Symbol	ADAM12
Gene Full Name	ADAM metallopeptidase domain 12
Background	This gene encodes a member of a family of proteins that are structurally related to snake venom disintegrins and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. Expression of this gene has been used as a maternal serum marker for pre-natal development. Alternative splicing results in multiple transcript variants encoding different isoforms. Shorter isoforms are secreted, while longer isoforms are membrane-bound form. [provided by RefSeq, Jan 2014]
Function	Involved in skeletal muscle regeneration, specifically at the onset of cell fusion. Also involved in macrophage-derived giant cells (MGC) and osteoclast formation from mononuclear precursors (By similarity). [UniProt]
Calculated Mw	100 kDa
PTM	The precursor is cleaved by a furin endopeptidase. [UniProt]
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted. Isoform 3: Secreted. Isoform 4: Secreted. [UniProt]

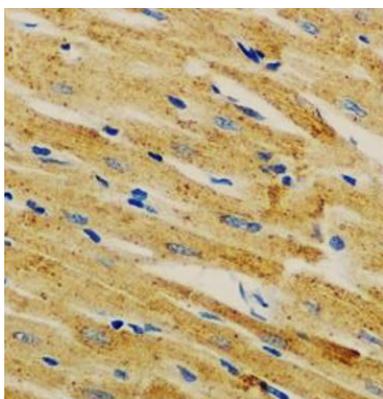
## Images

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ARG43434 anti-ADAM12 antibody ICC/IF image

Immunofluorescence: NIH/3T3 cells stained with ARG43434 anti-ADAM12 antibody at 1:100 dilution.



ARG43434 anti-ADAM12 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat heart tissue stained with ARG43434 anti-ADAM12 antibody at 1:100 dilution.

ARG43434 anti-ADAM12 antibody WB image

Western blot: 25 µg of Mouse fat lysate stained with ARG43434 anti-ADAM12 antibody at 1:1000 dilution.

