

## ARG43519 anti-ACTN2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ACTN2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ACTN2
Species	Human
Immunogen	Recombinant protein containing to human ACTN2.
Conjugation	Un-conjugated
Alternate Names	Acetyl-CoA carboxylase 2; ACC-beta; Biotin carboxylase; ACACB; ACC2, ACCB

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	104 kDa	

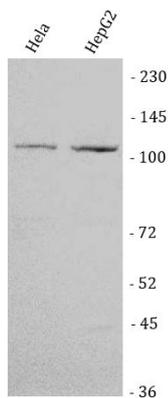
### Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
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

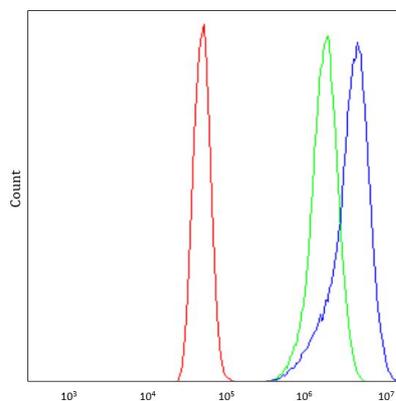
Gene Symbol	ACTN2
Gene Full Name	Actinin Alpha 2
Background	Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a muscle-specific, alpha actinin isoform that is expressed in both skeletal and cardiac muscles. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2013]
Function	F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein. [UniProt]
Calculated Mw	104 kDa
PTM	Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

## Images



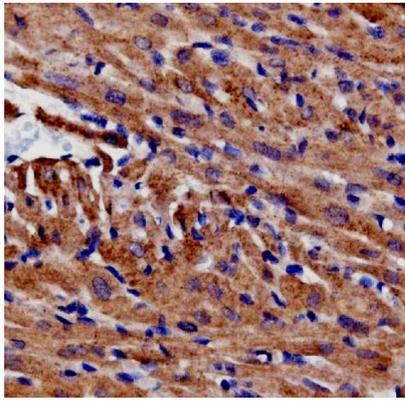
ARG43519 anti-ACTN2 antibody WB image

Western blot: HeLa and HepG2 stained with ARG43519 anti-ACTN2 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



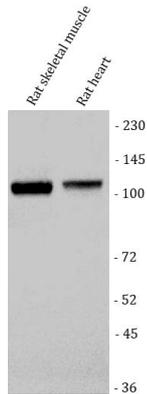
ARG43519 anti-ACTN2 antibody FACS image

Flow Cytometry: A431 stained with ARG43519 anti-ACTN2 antibody at 1  $\mu\text{g}/10^6$  cells dilution.



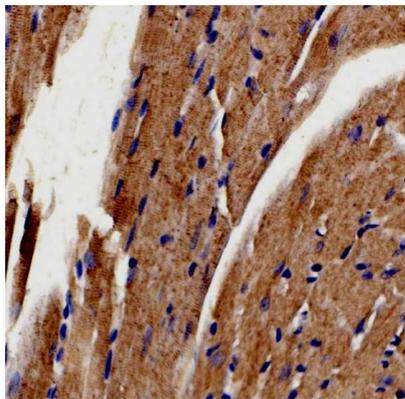
#### ARG43519 anti-ACTN2 antibody IHC-P image

Immunohistochemistry: Rat cardiac stained with ARG43519 anti-ACTN2 antibody at 2  $\mu\text{g}/\text{ml}$  dilution.



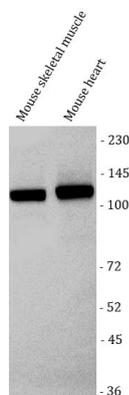
#### ARG43519 anti-ACTN2 antibody WB image

Western blot: Rat skeletal muscle and rat heart stained with ARG43519 anti-ACTN2 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



#### ARG43519 anti-ACTN2 antibody IHC-P image

Immunohistochemistry: Mouse cardiac stained with ARG43519 anti-ACTN2 antibody at 2  $\mu\text{g}/\text{ml}$  dilution.



#### ARG43519 anti-ACTN2 antibody WB image

Western blot: Mouse skeletal muscle and mouse heart stained with ARG43519 anti-ACTN2 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.