

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 ⁶ 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	

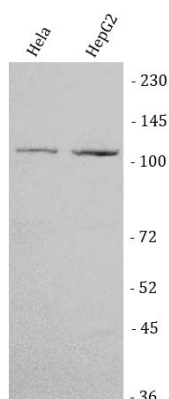
Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 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

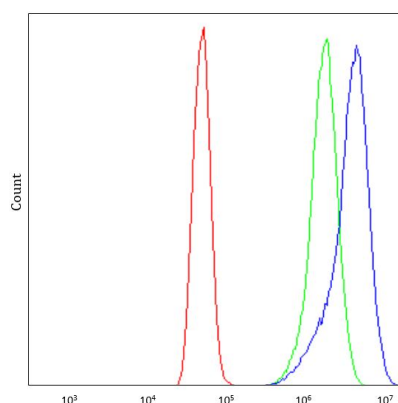
Gene Symbol	ACTN2
Gene Full Name	Actinin Alpha 2
Background	Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different 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



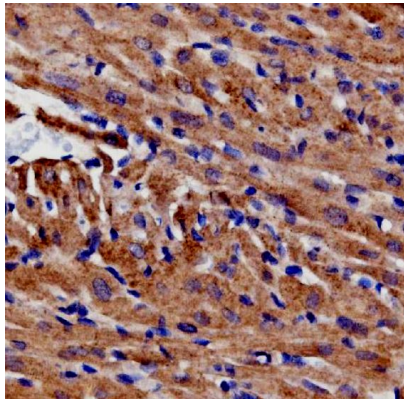
ARG43519 anti-ACTN2 antibody WB image

Western blot: HeLa and HepG2 stained with ARG43519 anti-ACTN2 antibody at 0.5 µg/ml dilution.



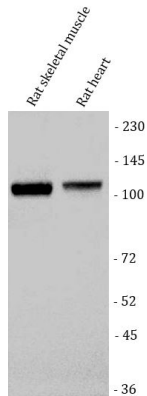
ARG43519 anti-ACTN2 antibody FACS image

Flow Cytometry: A431 stained with ARG43519 anti-ACTN2 antibody at 1 µg/10⁶ cells dilution.



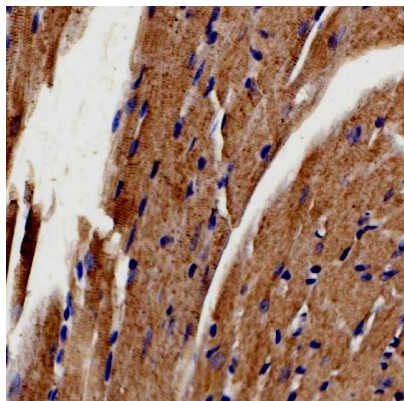
ARG43519 anti-ACTN2 antibody IHC-P image

Immunohistochemistry: Rat cardiac stained with ARG43519 anti-ACTN2 antibody at 2 µg/ml dilution.



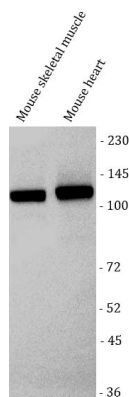
ARG43519 anti-ACTN2 antibody WB image

Western blot: Rat skeletal muscle and rat heart stained with ARG43519 anti-ACTN2 antibody at 0.5 µg/ml dilution.



ARG43519 anti-ACTN2 antibody IHC-P image

Immunohistochemistry: Mouse cardiac stained with ARG43519 anti-ACTN2 antibody at 2 µg/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 µg/ml dilution.