

## ARG40278 anti-alpha Actinin 3 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes alpha Actinin 3
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	alpha Actinin 3
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 574-617 of Human alpha Actinin 3. (EADRERGAIMG IQGEIQKICQTYGLRPCSTNPYITLSPQDINTK)
Conjugation	Un-conjugated
Alternate Names	Alpha-actinin skeletal muscle isoform 3; F-actin cross-linking protein; Alpha-actinin-3

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
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	103 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 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
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.

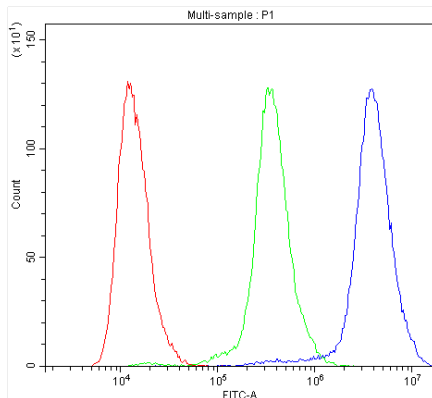
Note

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

## Bioinformation

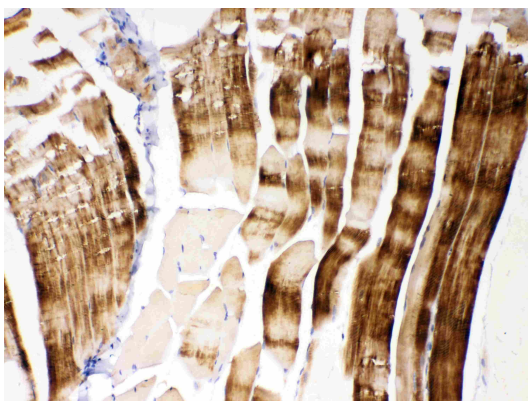
Gene Symbol	ACTN3
Gene Full Name	actinin, alpha 3 (gene/pseudogene)
Background	This gene encodes a member of the alpha-actin binding protein gene family. The encoded protein is primarily expressed in skeletal muscle and functions as a structural component of sarcomeric Z line. This protein is involved in crosslinking actin containing thin filaments. An allelic polymorphism in this gene results in both coding and non-coding variants; the reference genome represents the coding allele. The non-functional allele of this gene is associated with elite athlete status. [provided by RefSeq, Feb 2014]
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	103 kDa

## Images



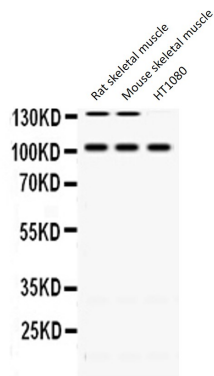
### ARG40278 anti-alpha Actinin 3 antibody FACS image

Flow Cytometry: WISH cells were blocked with 10% normal goat serum and then stained with ARG40278 anti-alpha Actinin 3 antibody (blue) at 1 µg/10<sup>6</sup> cells for 30 min at 20°C, followed by incubation with DyLight® 488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG (1 µg/10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



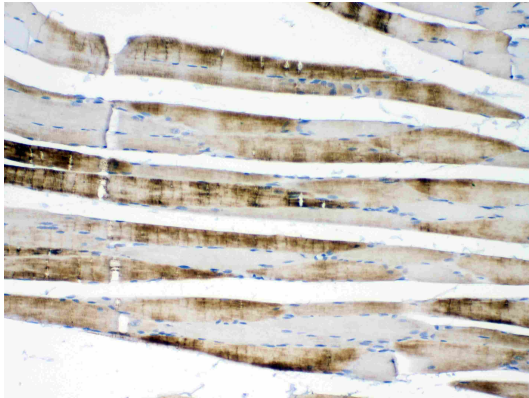
### ARG40278 anti-alpha Actinin 3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse skeletal muscle tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40278 anti-alpha Actinin 3 antibody at 1 µg/ml, overnight at 4°C.



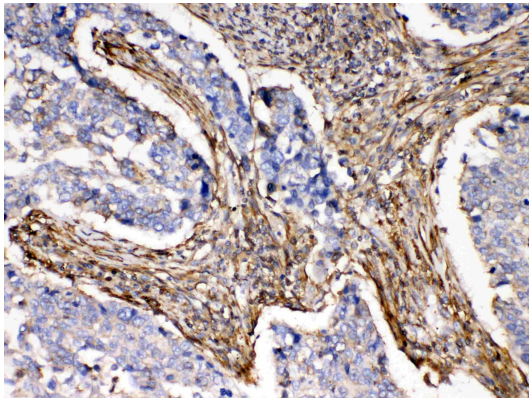
#### ARG40278 anti-alpha Actinin 3 antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat skeletal muscle, Mouse skeletal muscle and HT1080 whole cell lysates stained with ARG40278 anti-alpha Actinin 3 antibody at 0.5 µg/ml, overnight at 4°C.



#### ARG40278 anti-alpha Actinin 3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat skeletal muscle tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40278 anti-alpha Actinin 3 antibody at 1 µg/ml, overnight at 4°C.



#### ARG40278 anti-alpha Actinin 3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40278 anti-alpha Actinin 3 antibody at 1 µg/ml, overnight at 4°C.