

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. (EADRERGAIMGIEIQKICQTYGLRPCSTNPYITLSPQDINTK)
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 ⁶ 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 ₂ HPO ₄ , 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.

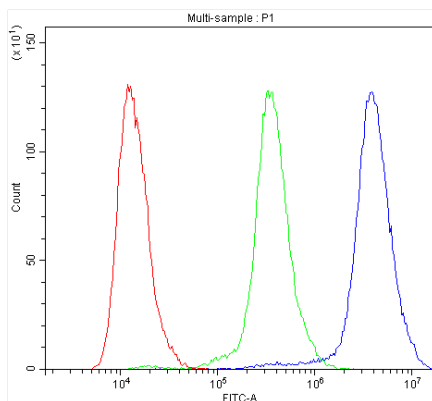
Note

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

Bioinformation

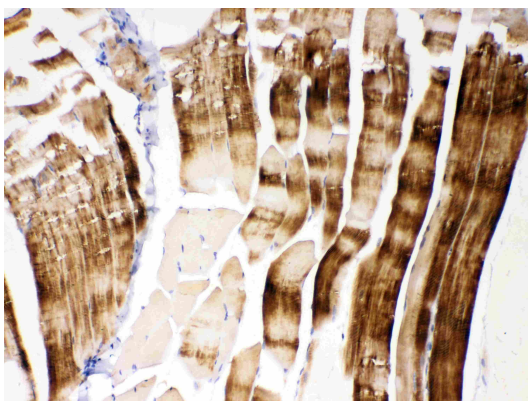
Gene Symbol	ACTN3
Gene Full Name	actinin, alpha 3 (gene/pseudogene)
Background	This gene encodes a member of the alpha-actinin binding protein gene family. The encoded protein is primarily expressed in skeletal muscle and functions as a structural component of sarcomeric Z line. This protein is involved 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



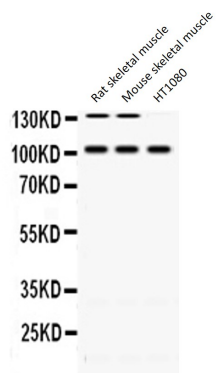
ARG40278 anti-alpha Actinin 3 antibody FACS image

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/10⁶ 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/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



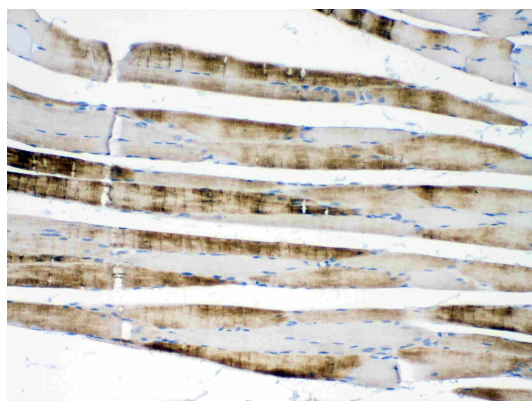
ARG40278 anti-alpha Actinin 3 antibody IHC-P image

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.



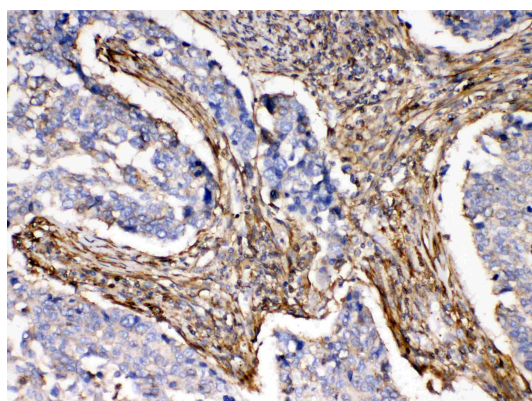
ARG40278 anti-alpha Actinin 3 antibody WB image

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.