

ACTN1 antibody

Product Information

Catalog No.:	FNab00322
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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 nonmuscle, cytoskeletal, alpha actinin isoform and maps to the same site as the structurally similar erythroid beta spectrin gene. Three transcript variants encoding different isoforms have been found for this gene.

Immunogen information

Immunogen:	actinin, alpha 1
Synonyms:	Alpha-actinin-1 Alpha-actinin cytoskeletal isoform F-actin cross-linking protein Non-muscle alpha-actinin-1 ACTN1
Observed MW:	110 kDa
Uniprot ID :	P12814

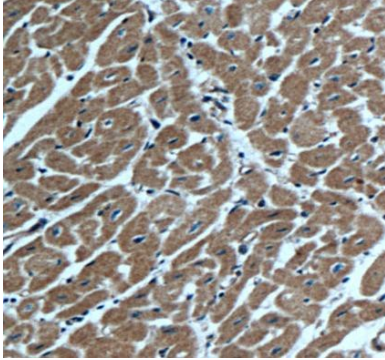
Application

Reactivity:	Human, Mouse, Rat, Monkey
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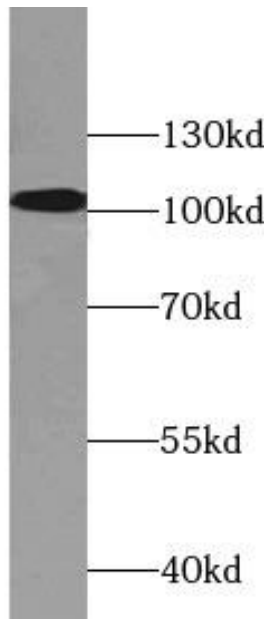
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded human heart tissue slide using FNab00322(α-Actinin Antibody) at dilution of 1:200



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with FNab00322(α-Actinin Antibody) at dilution of 1:1000