

## anti- alpha Actinin 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:	actinin, alpha 1, ACTN1, alpha Actinin, Alpha actinin 1, F actin cross linking protein, Non muscle alpha actinin 1
Observed MW:	110 kDa
Uniprot ID :	P12814

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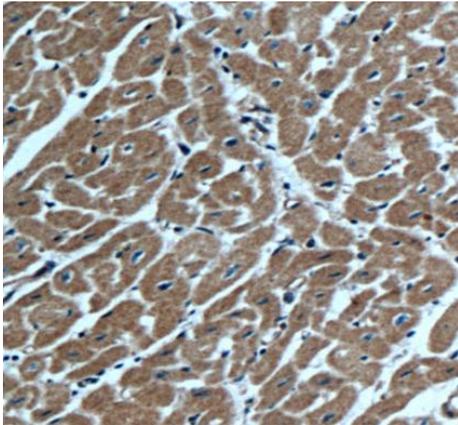
## Application

Reactivity: Human, Mouse, Rat, Monkey

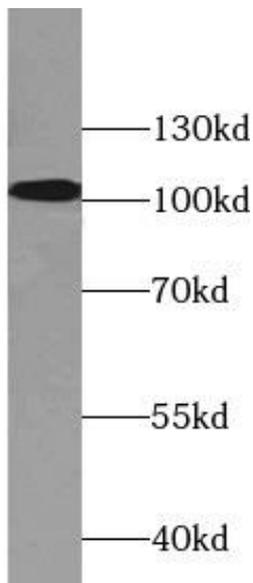
Tested Application: ELISA, WB, IHC

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

Image:



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



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

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