Biomatik
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anti- alpha Actinin antibody

Product Information

Catalog No.:	CAF50023
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℃ 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

Application

Reactivity:	Human, Mouse, Rat, Monkey
Tested Application:	ELISA, WB, IHC
Recommended dilution:	WB: 1:500 - 1:2000; IHC: 1:50 - 1:200
Image:	

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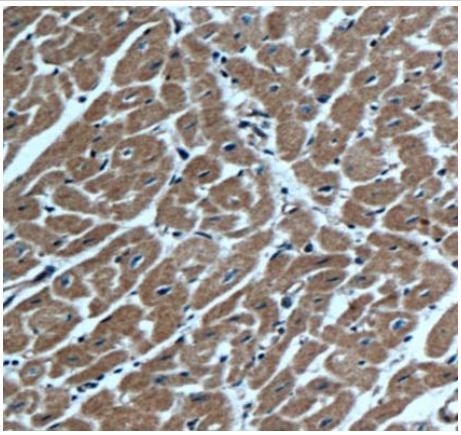
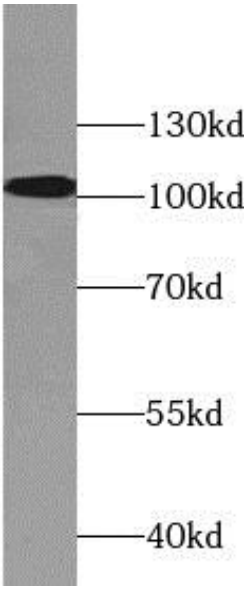


Immunohistochemistry of paraffin-embedded human heart tissue slide using CAF50023(a-Actinin Antibody) at dilution of 1:200



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with CAF50023(a-Actinin Antibody) at dilution of 1:1000