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anti-alpha Actinin 4 antibody (C-Term)



Overview

Images



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Quantity:	100 μL
Target:	alpha Actinin 4 (ACTN4)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This alpha Actinin 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

lmmunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human alpha Actinin 4. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to alpha Actinin 4 (actinin, alpha 4) alpha Actinin 4 antibody [C2C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target: alpha Actinin 4 (ACTN4)

Target Details

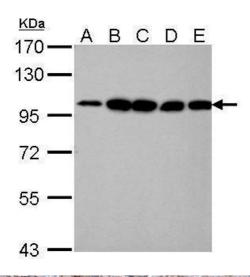
Alternative Name:	actinin alpha 4 (ACTN4 Products)
Background:	Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of
	cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is
	an actin-binding protein with multiple roles in different 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, alpha actinin isoform
	which is concentrated in the cytoplasm, and thought to be involved in metastatic processes.
	Mutations in this gene have been associated with focal and segmental glomerulosclerosis.
	Cellular Localization: Nucleus , Cytoplasm
Molecular Weight:	105 kDa
Gene ID:	81
UniProt:	043707
Pathways:	Proton Transport
Application Details	
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations
	should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: 293T , A431 , HeLa , HepG2 , A375 , Neuro2A , GL261 , C8D30 , NIH-3T3 , BCL-1
	, Raw264.7 , C2C12 , Mouse brain , PC-12
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.32 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE
	which should be handled by trained staff only.

Storage:	4 °C20 °C

Storage Comment:

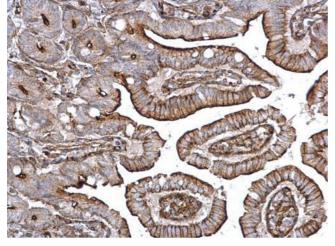
Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



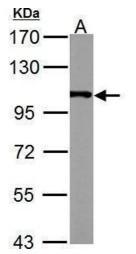
Western Blotting

Image 1. WB Image alpha Actinin 4 antibody [C2C3], C-term detects ACTN4 protein by Western blot analysis. A. 30 μ g 293T whole cell lysate/extract B. 30 μ g A431 whole cell lysate/extract C. 30 μ g HeLa whole cell lysate/extract D. 30 μ g HepG2 whole cell lysate/extract E. 30 μ g A375 whole cell lysate/extract 7.5 % SDS-PAGE alpha Actinin 4 antibody [C2C3], C-term , dilution: 1:1000



Immunohistochemistry

Image 2. IHC-P Image alpha Actinin 4 antibody [C2C3], C-term detects alpha Actinin 4 protein on mouse intestine by immunohistochemical analysis. Sample: Paraffin-embedded mouse intestine. alpha Actinin 4 antibody [C2C3], C-term, dilution: 1:500.



Western Blotting

Image 3. WB Image alpha Actinin 4 antibody [C2C3], C-term detects ACTN4 protein by Western blot analysis. A. 30 μ g PC-12 whole cell lysate/extract 7.5 % SDS-PAGE alpha Actinin 4 antibody [C2C3], C-term , dilution: 1:1000

Please check the product details page for more images. Overall 7 images are available for ABIN2855119.