

Datasheet for ABIN392218

anti-alpha Actinin 4 antibody (N-Term)**1** Image[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	alpha Actinin 4 (ACTN4)
Binding Specificity:	AA 192-220, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This alpha Actinin 4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ACTN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-220 amino acids from the N-terminal region of human ACTN4.
Clone:	RB15650
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	alpha Actinin 4 (ACTN4)
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Target Details

Alternative Name:	ACTN4 (ACTN4 Products)
Background:	<p>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 protein is a nonmuscle, alpha actinin isoform which is concentrated in the cytoplasm, and is thought to be involved in metastatic processes. Mutations in the gene encoding this protein have been associated with focal and segmental glomerulosclerosis.</p>
Molecular Weight:	104854
Gene ID:	81
NCBI Accession:	NP_004915
UniProt:	O43707
Pathways:	Proton Transport

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

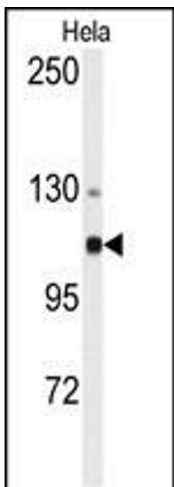
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Handling

Expiry Date: 6 months

Images



Western Blotting

Image 1. Western blot analysis of anti-ACTN4 Antibody (N-term) (ABIN392218 and ABIN2841914) in HeLa cell line lysates (35 µg/lane). ACTN4 (arrow) was detected using the purified Pab.