

Datasheet for ABIN7249742

anti-ACTN1 antibody





Overview

Quantity:	200 μL
Target:	ACTN1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACTN1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein corresponding to Mousealpha-actinin1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	ACTN1
Alternative Name:	ACTN1 (ACTN1 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

Target Details

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.

Molecular Weight: Observed_MW: 110 kDa

Calculated_MW: 102-107 kDa

UniProt: P12814, Q7TPR4, Q9Z1P2

Pathways: Cell-Cell Junction Organization

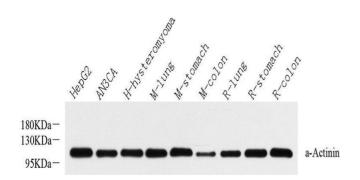
Application Details

Application Notes: WB 1:1000-1:3000

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	0.66 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 1 % BSA and 50 % glycerol, pH 7.4
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western Blot analysis of various samples using ACTN1 Polyclonal Antibody at dilution of 1:2000.