

Datasheet for ABIN7249742

**anti-ACTN1 antibody**[Go to Product page](#)**1** Image

## 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 ( <a href="#">ACTN1 Products</a> )
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.

