

Datasheet for ABIN950371

**anti-ACTN3 antibody (Middle Region)****2** Images[Go to Product page](#)

## Overview

Quantity:	0.4 mL
Target:	ACTN3
Binding Specificity:	AA 408-437, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACTN3 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 408-437 amino acids from the Central region of human ACTN3
Isotype:	Ig Fraction
Specificity:	This antibody reacts to Alpha-actinin-3.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

## Target Details

Target:	ACTN3
Alternative Name:	alpha-Actinin-3 / ACTN3 ( <a href="#">ACTN3 Products</a> )

## Target Details

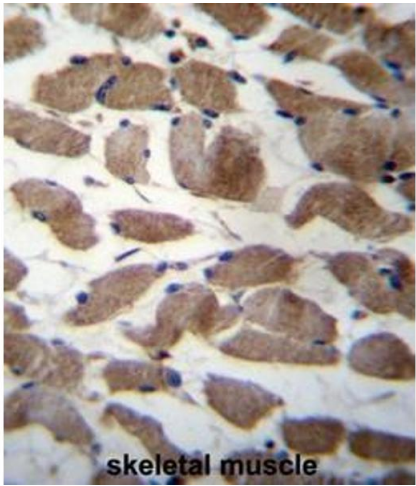
Background:	Alpha-actinin is an actin-binding protein with multiple roles in different cell types. This gene expression is limited to skeletal muscle. It is localized to the Z-disc and analogous dense bodies, where it helps to anchor the myofibrillar actin filaments.Synonyms: Alpha actinin skeletal muscle isoform 3, F-actin cross-linking protein
Gene ID:	89
NCBI Accession:	<a href="#">NP_001095</a>
Pathways:	<a href="#">Cell-Cell Junction Organization</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

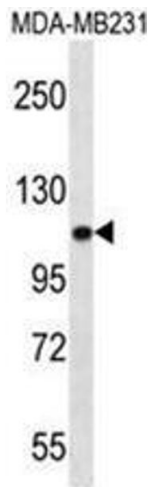
## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** ACTN3 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ACTN3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

**Image 2.** ACTN3 Antibody (Center) western blot analysis in MDA-MB231 cell line lysates (35µg/lane). This demonstrates the ACTN3 antibody detected the ACTN3 protein (arrow).