

## Basic Information

<b>Product Name</b>	Anti-ACTN3 Antibody (Clone#21A54)
<b>Gene Name</b>	ACTN3
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human, mouse, rat
<b>Tested Application</b>	WB
<b>Contents</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.5mg/ml BSA.
<b>Immunogen</b>	A synthesized peptide derived from human ACTN3
<b>concentration</b>	500 ug/ml
<b>Purification</b>	Affinity-chromatography
<b>Observed MW</b>	103KD
<b>Dilution Ratios</b>	Western blot (WB):1:500-2000

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Alpha-actinin-3, also known as alpha-actinin skeletal muscle isoform 3 or F-actin cross-linking protein, is a protein that in humans is encoded by the ACTN3 gene. This gene encodes a member of the alpha-actin binding protein gene family. The encoded protein is primarily expressed in skeletal muscle and functions as a structural component of sarcomeric Z line. This protein is involved in crosslinking actin containing thin filaments. An allelic polymorphism in this gene results in both coding and non-coding variants; the reference genome represents the coding allele. The non-functional allele of this gene is associated with elite athlete status.

## Selected Validation Data

Product datasheet

## Anti-ACTN3 Antibody (Clone#21A54)

Catalog Number: **M02693-1**

# BOSTER

antibody and ELISA experts

**BOSTER BIOLOGICAL TECHNOLOGY**

Special NO.1, International Enterprise Center,  
2nd Guanshan Road, Wuhan, China

Web: [www.boster.com.cn](http://www.boster.com.cn) Phone: +86 027-67845390 Fax: +86 027-67845390 Email: [boster@boster.com.cn](mailto:boster@boster.com.cn)

Western blot analysis of ACTN3 expression in mouse skeletal muscle lysate.

