# Product datasheet Anti-ACTN3 Antibody (Clone#21A54) Catalog Number: M02693-1

BOSTER®
antibody and ELISA experts

East Lake High-Tech Development Zone, Wuhan.

**BOSTER BIOLOGICAL TECHNOLOGY**Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,

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Basic	<u>Information</u>
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Anti-ACTN3 Antibody (Clone#21A54)

Gene Name ACTN3

**Source** Rabbit

**Clonality** Monoclonal

**Isotype** IgG

**Species Reactivity** human, mouse, rat

**Tested Application** WB

Contents 500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide,

0.4-0.5 mg/ml BSA and 50% glycerol.

**Immunogen** A synthesized peptide derived from human ACTN3

**Concentration** 500 ug/ml

**Purification** Affinity-chromatography

Observed MW 103 kDa

**Dilution Ratios** Western blot (WB):1:500-2000

### **Storage**

12 months from date of receipt, -20°C as supplied.

## **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**

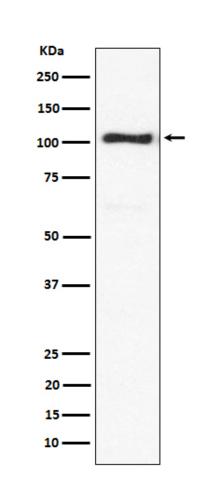
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Western blot analysis of ACTN3 expression in mouse skeletal muscle lysate.