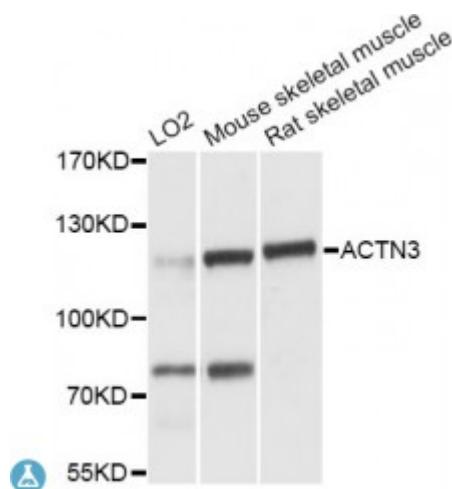


## Anti-ACTN3 Antibody



### Description

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.

<b>Model</b>	STJ114730
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	IF, WB
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 580-630 of human ACTN3 (NP_001095.2).
<b>Gene ID</b>	<a href="#">89</a>
<b>Gene Symbol</b>	<a href="#">ACTN3</a>
<b>Dilution range</b>	WB 1:1000 - 1:2000 IF 1:50 - 1:200
<b>Tissue Specificity</b>	Expressed only in a subset of type 2 skeletal muscle fibers
<b>Purification</b>	Affinity purification
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Alpha-actinin-3 Alpha-actinin skeletal muscle isoform 3 F-actin cross-linking protein

<b>Molecular Weight</b>	103.241 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Storage Instruction</b>	Store at -20C. Avoid freeze / thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:165</a> <a href="#">OMIM:102574</a> <a href="#">Reactome:R-HSA-373753</a>
<b>Alternative Names</b>	Alpha-actinin-3 Alpha-actinin skeletal muscle isoform 3 F-actin cross-linking protein
<b>Function</b>	F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures, This is a bundling protein

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