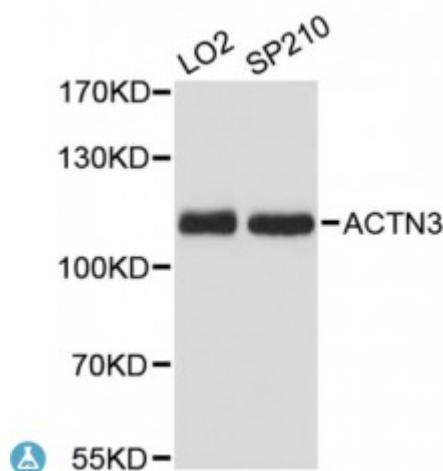


Anti-ACTN3 Antibody



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.

Model	STJ114663
Host	Rabbit
Reactivity	Human
Applications	IF, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 580-630 of human ACTN3 (NP_001095.2).
Gene ID	89
Gene Symbol	ACTN3
Dilution range	WB 1:500 - 1:2000 IF 1:50 - 1:200
Tissue Specificity	Expressed only in a subset of type 2 skeletal muscle fibers
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Alpha-actinin-3 Alpha-actinin skeletal muscle isoform 3 F-actin cross-linking protein

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

St John's Laboratory Ltd

F +44 (0)207 681 2580

W <http://www.stjohnslabs.com/>

T +44 (0)208 223 3081

E info@stjohnslabs.com