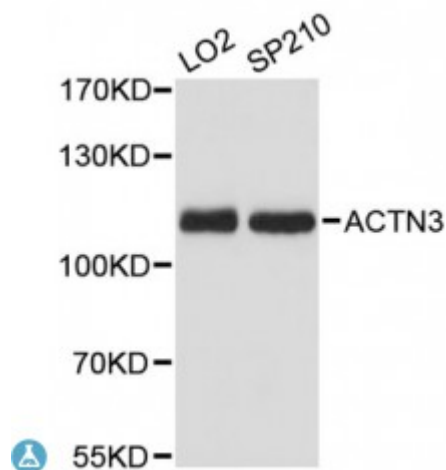


Anti-ACTN3 Antibody



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:165OMIM:102574Reactome: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 |

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