

Anti-Human ACTN3 DyLight® 550 conjugated Antibody

Catalog Number: A02693-Dyl550

About ACTN3

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.

Overview

Product Name	Anti-Human ACTN3 DyLight® 550 conjugated Antibody
Reactive Species	Human
Description	Boster Bio Anti-Human ACTN3 DyLight® 550 conjugated Antibody catalog # A02693-Dyl550. Tested in Flow Cytometry applications. This antibody reacts with Human.
Conjugate	DyLight®550
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q08043

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ACTN3, different from the related mouse sequence by five amino acids.
Predicted Reactive Species	Human
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow Cytometry, 1-3ug/1x10⁶ cells

Anti-Human ACTN3 DyLight® 550 conjugated Antibody (A02693-DyI550) Images



Boster Kit Box

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