

Datasheet for ABIN6654015 **anti-ACTN3 antibody**



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Overview

Quantity:	100 µg
Target:	ACTN3
Reactivity:	Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACTN3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids EADRERGAIMGIEIQKICQTYGLRPCSTNPYITLSPQDINTK were used as the immunogen for the ACTN3 antibody.
Clone:	9B5
Isotype:	IgG1
Purification:	Protein G affinity

Target Details

Target:	ACTN3
Alternative Name:	ACTN3 / Alpha Actinin 3 (ACTN3 Products)
Background:	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

Target Details

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.

UniProt:	Q08043
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	Optimal dilution of the ACTN3 antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL,IHC (FFPE): 1-2 µg/mL
Restrictions:	For Research Use only

Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the ACTN3 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.