Product datasheet

Anti-ACTN2 Antibody (Clone#21A00)

Catalog Number: *M03673-1*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-ACTN2 Antibody (Clone#21A00)
Gene Name	ACTN2
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, IP
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.5mg/ml BSA.
Immunogen	A synthesized peptide derived from human Alpha actinin 2
concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	103KD
Dilution Ratios	Western blot (WB):1:1000-5000 IHC: 1:50-1:200 IP: 1:30

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Alpha-actinin 2 is a protein which in humans is encoded by the ACTN2 gene. Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a muscle-specific, alpha actinin isoform that is expressed in both skeletal and cardiac muscles. Several transcript variants encoding different isoforms have been found for this gene.

Selected Validation Data

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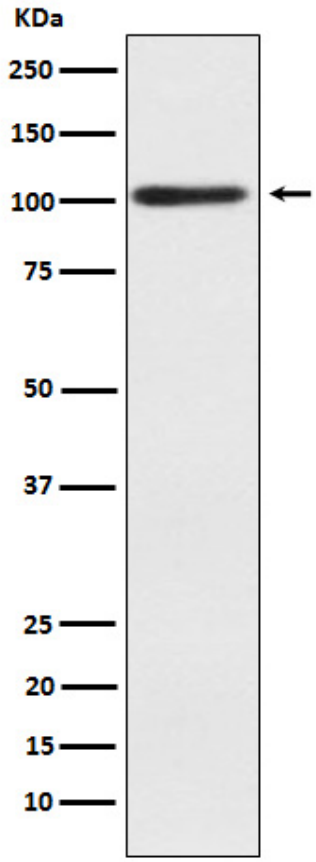

Western blot analysis of Alpha actinin 2 expression in human skeletal muscle lysate.