

Product Datasheet

Recombinant ACTN2 Antibody / Alpha Actinin 2 / Sarcomeric Alpha Actinin (orb1824255)

Catalog Number	orb1824255
Category	Antibodies
Description	<p>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 non-muscle 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.</p>
Clonality	Recombinant
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Purification	Protein A/G affinity
Immunogen	A portion of amino acids 557-692 from the human protein was used as the immunogen for the recombinant ACTN2 antibody.
UniProt ID	P35609

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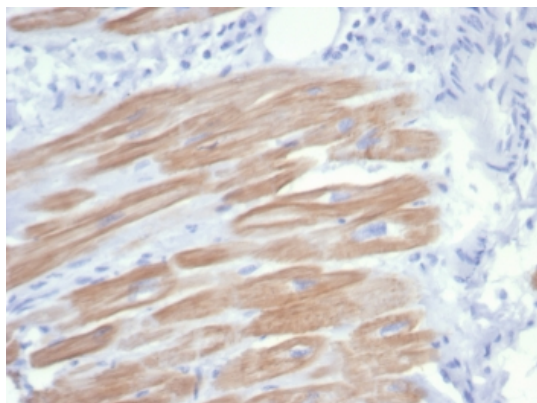
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Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Optimal dilution of the recombinant ACTN2 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	rACTN2/7361
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC staining of FFPE human heart muscle tissue with recombinant ACTN2 antibody (clone rACTN2/7361). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.

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