

Rabbit Alpha Actinin 2 Monoclonal Antibody | anti-ACTN2 antibody

Alpha Actinin 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312411	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunohistochemistry, Western Blot

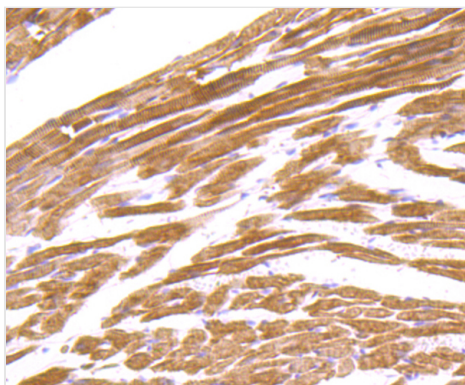
PRODUCT SYNONYMS

Alpha Actinin 2; Monoclonal Antibody; Alpha Actinin 2 Antibody; anti-ACTN2 antibody

PRODUCT SPECIFICATIONS

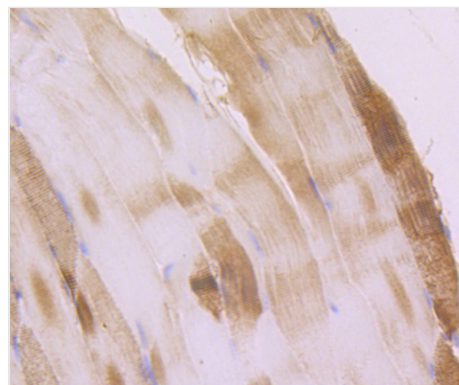
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JF0980
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-ACTN2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



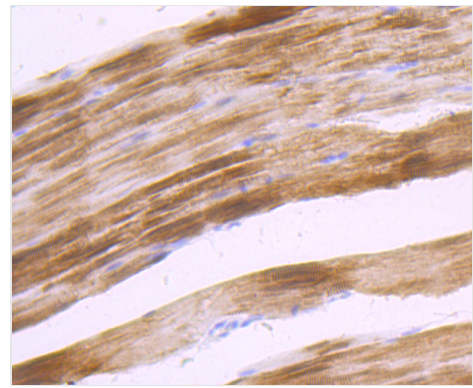
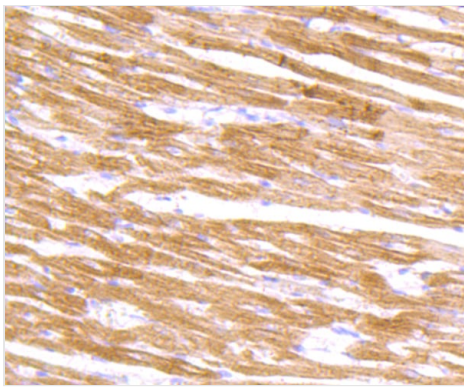
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-ACTN2 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse skeletal tissue using anti-ACTN2 antibody. Counter stained with hematoxylin.

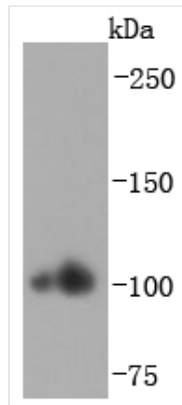


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat heart tissue using anti-ACTN2 antibody. Counter stained with hematoxylin.

IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-ACTN2 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of ACTN2 on human heart lysates using anti-ACTN2 antibody at 1/1,000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTN2 antibody

The spectrin gene family encodes a diverse group of cytoskeletal proteins that include spectrins, dystrophins and alpha-actinins. There are four tissue-specific alpha-actinins, namely alpha-actinin-1, alpha-actinin-2, alpha-actinin-3 and alpha-actinin-4, which are localized to muscle and non-muscle cells, including skeletal, cardiac and smooth muscle cells, as well as within the cytoskeleton. Each alpha-actinin protein contains one Actin-binding domain, two calponin-homology domains, two EF-hand domains and four spectrin repeats, through which they function as bundling proteins that can cross-link F-Actin, thus anchoring Actin to a variety of intracellular structures. Defects in the gene encoding alpha-actinin-4 are the cause of focal segmental glomerulosclerosis 1 (FSGS1), a common renal lesion characterized by decreasing kidney function and, ultimately, renal failure.

Product Categories/Family for anti-ACTN2 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	507588250
NCBI GeneID	88
NCBI Accession #	NP_001265273.1
NCBI GenBank Nucleotide #	NM_001278344.1
UniProt Accession #	P35609; Q86TF4; Q86TI8; B1ANE4
Molecular Weight	103,854 Da
NCBI Official Full Name	alpha-actinin-2 isoform 3

NCBI Official Synonym Full Names	actinin, alpha 2
NCBI Official Symbol	ACTN2
NCBI Official Synonym Symbols	CMD1AA
NCBI Protein Information	alpha-actinin-2; F-actin cross-linking protein; alpha-actinin skeletal muscle
UniProt Protein Name	Alpha-actinin-2
UniProt Gene Name	ACTN2
UniProt Entry Name	ACTN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/alpha-actinin-2-antibody-clone-jf0980-immunoprecipitation-immunohistochemistry-western-blot-elisa/312411>