

Mouse Actinin-alpha2 Monoclonal Antibody | anti-ACTN2 antibody

Actinin-alpha2 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320259	Mouse	Human, Rat, Bovine, Chicken, Dog, Pig, Zebrafish	Immunocytochemistry, Immunofluorescence, Western Blot

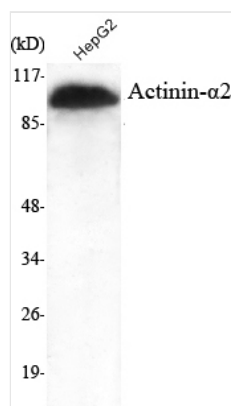
PRODUCT SYNONYMS

Actinin-alpha2; Monoclonal Antibody; Actinin-alpha2 Monoclonal Antibody; Alpha-actinin-2; ACTN2; Alpha-actinin skeletal muscle isoform 2; F-actin cross-linking protein; anti-ACTN2 antibody

PRODUCT SPECIFICATIONS

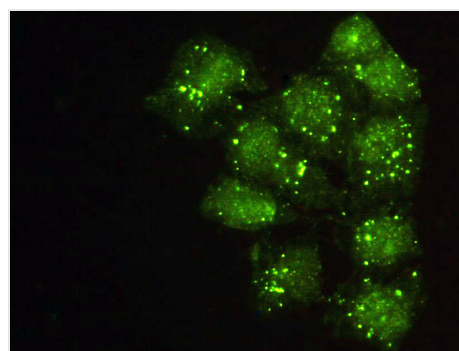
Host	Mouse
Reactivity	Human, Rat, Bovine, Chicken, Dog, Pig, Zebrafish
Clonality	Monoclonal
Specificity	Actinin-alpha2 Monoclonal Antibody detects endogenous levels of Actinin-alpha2 protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ACTN2 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant human Actinin-eIF2alpha (C-terminus) protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using Actinin-?2 Monoclonal Antibody.



WB (Western Blot)

Western Blot analysis using Actinin-?2 Monoclonal Antibody against HepG2 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTN2 antibody	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. [provided by RefSeq, May 2013]
Product Categories/Family for anti-ACTN2 antibody	Primary Antibodies

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/actinin-alpha2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/320259>