

# ACTN2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20894a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P35609</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB50256
<b>Calculated MW</b>	103854

## Additional Information

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<b>Gene ID</b>	88
<b>Other Names</b>	Alpha-actinin-2, Alpha-actinin skeletal muscle isoform 2, F-actin cross-linking protein, ACTN2
<b>Target/Specificity</b>	This ACTN2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 352-386 amino acids from the Central region of human ACTN2.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	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.
<b>Precautions</b>	ACTN2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ACTN2
<b>Function</b>	F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.
<b>Cellular Location</b>	Cytoplasm, myofibril, sarcomere, Z line. Note=Colocalizes with MYOZ1 and FLNC at the Z-lines of skeletal muscle

## Tissue Location

Expressed in both skeletal and cardiac muscle.

## Background

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.

## References

Beggs A.H.,et al.J. Biol. Chem. 267:9281-9288(1992).

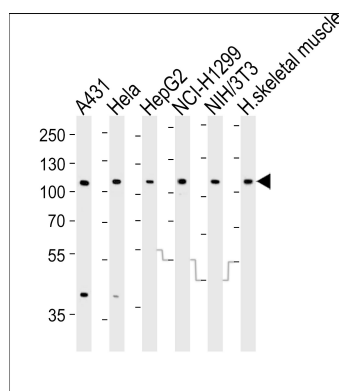
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Gregory S.G.,et al.Nature 441:315-321(2006).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Faulkner G.,et al.J. Cell Biol. 146:465-475(1999).

## Images



Western blot analysis of lysates from A431, HeLa, HepG2, NCI-H1299, mouse NIH/3T3 cell line, human skeletal muscle tissue lysate (from left to right), using ACTN2 Antibody (Center)(Cat. #AP20894a). AP20894a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.