

# ACTN2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5383

## Product Information

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Application	WB
Primary Accession	<a href="#">P35609</a>
Other Accession	<a href="#">Q9JI91</a> , <a href="#">P20111</a> , <a href="#">Q3ZC55</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	103854
Isotype	Rabbit IgG
Antigen Source	HUMAN

## Additional Information

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Gene ID	88
Antigen Region	352-386
Other Names	Alpha-actinin-2, Alpha-actinin skeletal muscle isoform 2, F-actin cross-linking protein, ACTN2
Dilution	WB~~1:1000
Target/Specificity	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.
Format	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.
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.
Precautions	ACTN2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	ACTN2
Function	F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.

**Cellular Location** 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

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

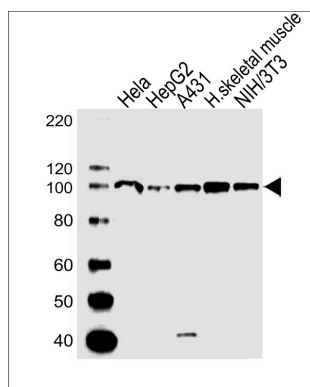
## References

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Beggs A.H.,et al.J. Biol. Chem. 267:9281-9288(1992).  
Tiso N.,et al.Biochem. Biophys. Res. Commun. 265:256-259(1999).  
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

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All lanes : Anti-ACTN2 Antibody (Center) at 1:1000 dilution  
Lane 1: Hela whole cell lysates Lane 2: HepG2 whole cell lysates Lane 3: A431 whole cell lysates Lane 4: human skeletal muscle lysates Lane 5: NIH/3T3 whole cell lysates  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 104 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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