

ACTN2 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5383**Specification**

ACTN2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P35609
Other Accession	Q9JI91 , P20111 , Q3ZC55
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=104;M=104 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

ACTN2 Antibody (Center) - Additional Information**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.

ACTN2 Antibody (Center) - Protein Information**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

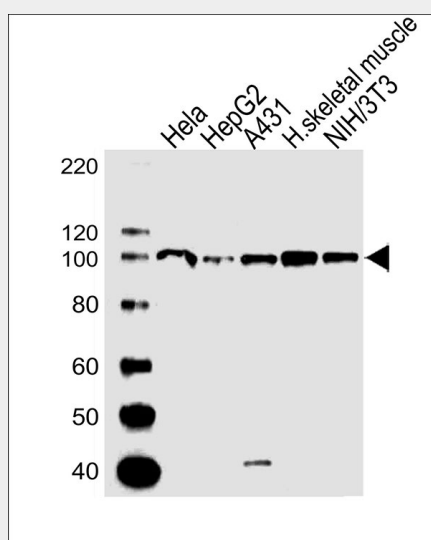
Expressed in both skeletal and cardiac muscle.

ACTN2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACTN2 Antibody (Center) - Images



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.

ACTN2 Antibody (Center) - Background

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ACTN2 Antibody (Center) - References

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).