


Anti-Sarcomeric Alpha Actinin antibody ab113086

4 Images

Overview

Product name	Anti-Sarcomeric Alpha Actinin antibody
Description	Rabbit polyclonal to Sarcomeric Alpha Actinin
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Monkey, Zebrafish 
Immunogen	Recombinant Human Sarcomeric Alpha Actinin.
Positive control	Human Heart and Skeletal Muscle tissues; A431 and H1299 whole cell lysates; HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: Tris glycine, 10% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab113086 in the following tested applications.

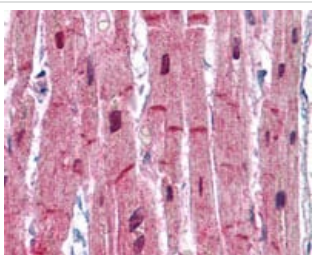
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 104 kDa.
IHC-P		Use a concentration of 10 µg/ml.
ICC/IF		1/100 - 1/200.

Target

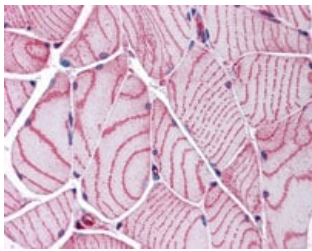
Function	F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein.
Tissue specificity	Expressed in both skeletal and cardiac muscle.
Involvement in disease	Defects in ACTN2 are the cause of cardiomyopathy dilated type 1AA (CMD1AA) [MIM:612158]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.
Sequence similarities	Belongs to the alpha-actinin family. Contains 1 actin-binding domain. Contains 2 CH (calponin-homology) domains. Contains 2 EF-hand domains. Contains 4 spectrin repeats.
Cellular localization	Cytoplasm > myofibril > sarcomere > Z line. Colocalizes with MYOZ1 and FLNC at the Z-lines of skeletal muscle.

Images



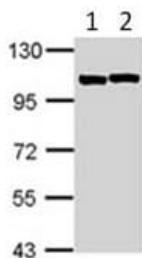
ab113086 at 10 µg/ml staining Sarcomeric Alpha Actinin in Formalin-fixed, Paraffin-embedded Human Heart tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sarcomeric Alpha Actinin antibody (ab113086)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Sarcomeric Alpha Actinin antibody (ab113086)

ab113086 at 10 µg/ml staining Sarcomeric Alpha Actinin in Formalin-fixed, Paraffin-embedded Human Skeletal muscle tissue by Immunohistochemistry.



Western blot - Anti-Sarcomeric Alpha Actinin antibody (ab113086)

All lanes : Anti-Sarcomeric Alpha Actinin antibody (ab113086) at 1/1000 dilution

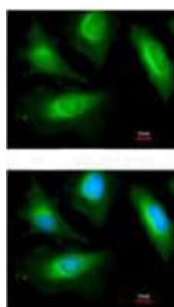
Lane 1 : A431 whole cell lysate

Lane 2 : H1299 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 104 kDa

7.5% SDS PAGE.



Immunocytochemistry/ Immunofluorescence - Anti-Sarcomeric Alpha Actinin antibody (ab113086)

ab112086 at 1/200 dilution staining Sarcomeric Alpha Actinin in Paraformaldehyde-fixed HeLa cells by Immunofluorescence. The lower image is merged with DNA probe.

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