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XIRP1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13612b

Specification

XIRP1 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q702N8
Other Accession	NP_919269.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**1338-1367**

XIRP1 Antibody (C-term) - Additional Information

Gene ID 165904

Other Names
Xin actin-binding repeat-containing protein 1, Cardiomyopathy-associated protein 1, XIRP1, CMYA1, XIN

Target/Specificity
This XIRP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1338-1367 amino acids from the C-terminal region of human XIRP1.

Dilution
WB~~1:1000
IHC-P~~1:10~50
E~~Use at an assay dependent concentration.

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
XIRP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

XIRP1 Antibody (C-term) - Protein Information

Name XIRP1 (HGNC:14301)

Function Protects actin filaments from depolymerization (PubMed:15454575). Required for correct cardiac intercalated disk ultrastructure via maintenance of cell-cell adhesion stability, and as a result maintains cardiac organ morphology, conductance and heart beat rhythm (By similarity). Required for development of normal skeletal muscle morphology and muscle fiber type composition (By similarity). Plays a role in regulating muscle satellite cell activation and survival, as a result promotes muscle fiber recovery from injury and fatigue (By similarity).

Cellular Location
Cell junction, adherens junction. Cell junction, desmosome {ECO:0000250|UniProtKB:Q5PZ43}. Note=Colocalizes with actin stress fibers.

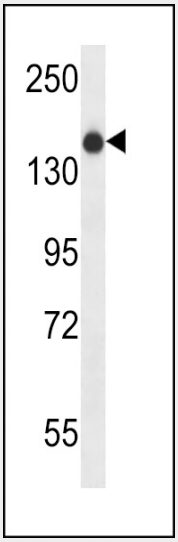
Tissue Location
Expressed in skeletal muscle at areas of Z-disk disruption in a longitudinal pattern spanning one or more sarcomeres (at protein level). [Isoform B]: Expressed in the heart (at protein level).

XIRP1 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

XIRP1 Antibody (C-term) - Images



XIRP1 Antibody (C-term) (Cat. #AP13612b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the XIRP1 antibody detected the XIRP1 protein (arrow).

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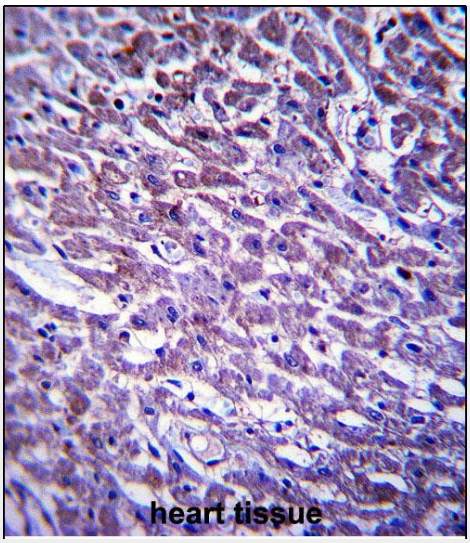

XIRP1 Antibody (C-term) (Cat. #AP13612b)immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of XIRP1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

XIRP1 Antibody (C-term) - Background

XIRP1 protects actin filaments from depolymerization.

XIRP1 Antibody (C-term) - References

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Pacholsky, D., et al. J. Cell. Sci. 117 (PT 22), 5257-5268 (2004) :
Sinn, H.W., et al. Dev. Dyn. 225(1):1-13(2002)
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