

For Research Use Only

# Syncoilin Polyclonal antibody

Catalog Number: 25151-1-AP

1 Publications



## Basic Information

### Catalog Number:

25151-1-AP

### Size:

150ul, Concentration: 1100 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG18565

### GenBank Accession Number:

BC119700

### GeneID (NCBI):

81493

### UNIPROT ID:

Q9H7C4

### Full Name:

syncoilin, intermediate filament protein

### Calculated MW:

482 aa, 55 kDa

### Observed MW:

64-68 kDa, 55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

IF

### Species Specificity:

human, mouse

### Cited Species:

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse heart tissue,

IP : mouse heart tissue,

IHC : mouse heart tissue, human heart tissue, mouse skeletal muscle tissue, human skeletal muscle tissue

## Background Information

Syncoilin also known as SYNC1, is a member of the intermediate filament family with an N-terminal head domain, followed by a central coiled-coil region and a short C-terminal tail. Syncoilin is highly expressed in skeletal and cardiac muscle. In normal skeletal muscle, syncoilin is concentrated at the neuromuscular junction (PMID: 11053421). Western blot analysis detected 64 kDa and 55 kDa syncoilin proteins in mouse heart (PMID: 11053421).

## Notable Publications

Author	Pubmed ID	Journal	Application
Maria Angels Rodríguez	30347079	Invest Ophthalmol Vis Sci	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

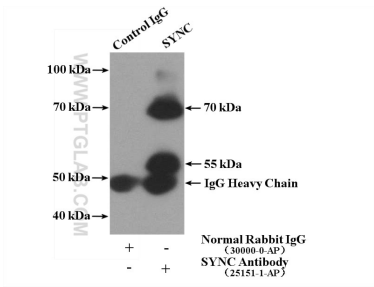
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

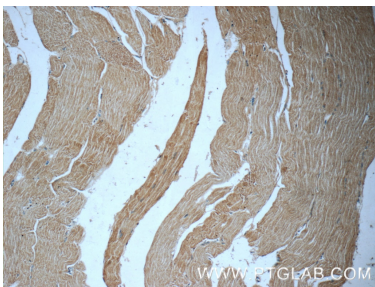
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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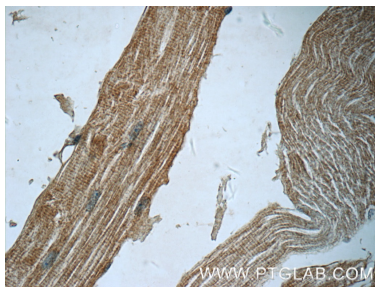
Selected Validation Data



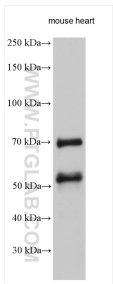
IP result of anti-Syncoilin (IP:25151-1-AP, 4ug; Detection:25151-1-AP 1:800) with mouse heart tissue lysate 4000ug.



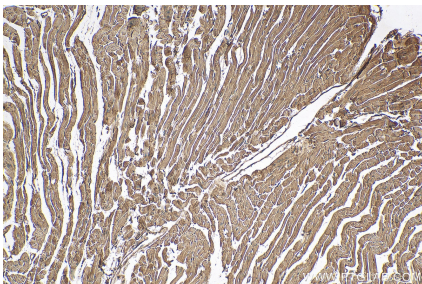
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25151-1-AP (SYNC Antibody) at dilution of 1:50 (under 10x lens).



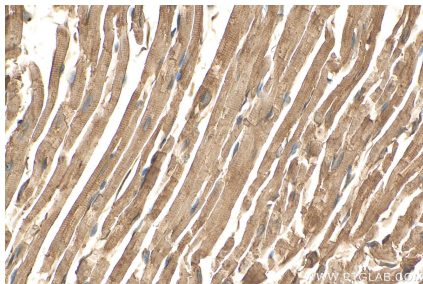
Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 25151-1-AP (SYNC Antibody) at dilution of 1:50 (under 40x lens).



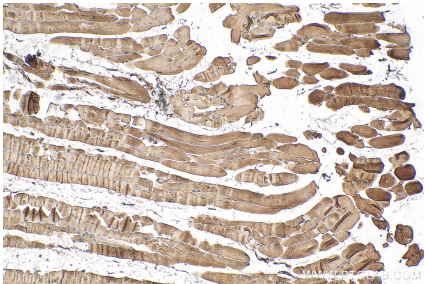
mouse heart tissue were subjected to SDS PAGE followed by western blot with 25151-1-AP (Syncoilin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



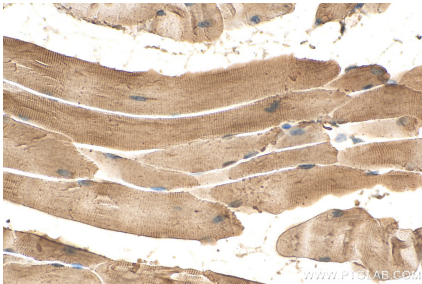
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 25151-1-AP (Syncoilin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 25151-1-AP (Syncoilin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 25151-1-AP (Syncoilin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 25151-1-AP (Syncoilin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).