

Telethonin Polyclonal antibody

Catalog Number: 16104-1-AP

Basic Information

Catalog Number:

16104-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9014

GenBank Accession Number:

BC012628

GeneID (NCBI):

8557

UNIPROT ID:

O15273

Full Name:

titin-cap (telethonin)

Calculated MW:

167 aa, 19 kDa

Observed MW:

19 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

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, mouse skeletal muscle tissue, rat skeletal muscle tissue

IHC : mouse skeletal muscle tissue, mouse heart tissue

Background Information

Telethonin, also known as TCAP, is a sarcomeric protein found exclusively in striated and cardiac muscle, where it localizes to the periphery of Z discs that define the border of the sarcomere. It binds to the N-terminus of myoglobin, effectively increasing its mechanical resistance. Mutations in this gene are associated with limb-girdle muscular dystrophy type 2G (PMID: 19679566).

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

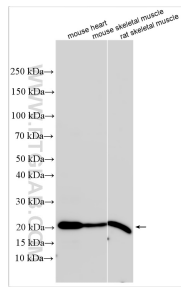
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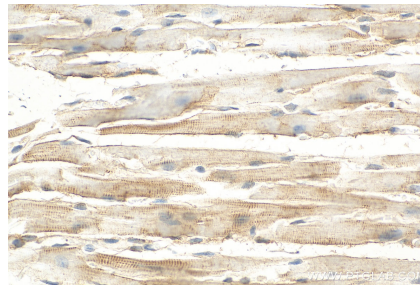
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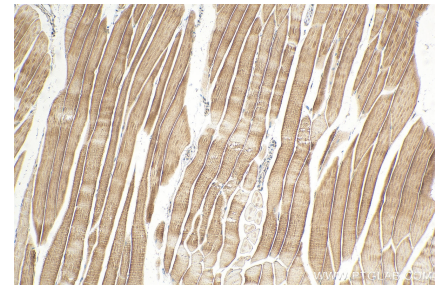
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16104-1-AP (Telethonin antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 16104-1-AP (Telethonin 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 16104-1-AP (Telethonin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).